partition walls

The most popular application of plasterboards are partition wall systems. All the Nida plasterboard types can be utilised for their construction. Partition walls can separate rooms, act as fire resistant barriers, or provide acoustic and thermal insulation. The partition wall systems offered by Siniat were tested at the Building Research Institute in Warsaw. Basing on those examinations it can be determined that those wall systems can reach even the 120 min. ((R)EI120) fire resistance class. According to the requirements of this fire resistance class it is possible to construct partition walls up to 11 m of height. With utilisation of the special wall systems intended for cinemas it is possible to construct walls up to 20 m of height. The partition wall systems offered by Siniat can reach the acoustic insulation parameters from 42 dB (walls with a single profile Nida C 50 with sheathing of the Nida Expert boards 1x12,5 mm), up to 80 dB for the special partition wall systems.

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Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50 PROFILES																
311	75A50/Expert [5]	C50	Expert	12,5	-	-	-	-	3250	35	33	27	19,0	(R)EI20	II	-
311	75A50/Expert	C50	Expert	12,5	50	12,0	50	10,0	3250	42	38	31	19,0	(R)EI20	II	-
311	75A50/Expert	C50	Expert	12,5	50	12,0	50	12,7	3250	42	38	31	19,0	(R)EI30	II	-
311	75A50/Woda [3] [5]	C50	Woda	12,5	-	-	-	-	3250	35	33	27	19,0	(R)EI20	III	-
311	75A50/Woda [3]	C50	Woda	12,5	50	12,0	50	10,0	3250	42	38	31	19,0	(R)EI20	III	-
311	75A50/Woda [3]	C50	Woda	12,5	50	12,0	50	12,7	3250	42	38	31	19,0	(R)EI30	III	-
311	75A50/OgieńTypF	C50	Ogień Typ F	12,5	50	12,0	50	10,0	3250	42	38	31	21,0	(R)EI30	III	-
311	75A50/Ogień+ [4] [5]	C50	Ogień Plus	12,5	-	-	-	-	3250	37	34	29	23,0	(R)EI30	III	-
311	75A50/Ogień+ [4] [5]	C50	Ogień Plus	12,5	50	10,0	50	10,0	3250	41	37	31	23,0	(R)EI45	III	-
311	75A50/Ogień+	C50	Ogień Plus	12,5	50	12,0	50	30,0	3250	37	39	32	23,0	(R)EI60	III	-
311	75A50/WodaOgień+	C50	Woda Ogień Plus	12,5	50	12,0	50	30,0	3250	44	39	32	23,0	(R)EI60	III	-
311	75A50/Twarda	C50	Twarda	12,5	50	14,5	50	30,0	3250	50	43	35	28,0	(R)EI60	III	●
311	75A50/Hydro	C50	Hydro	12,5	50	12,0	50	50,0	3250	44	39	32	24,0	(R)EI60	III	●
311	75A50/Cicha	C50	Cicha	12,5	50	14,5	50	30,0	3250	51	46	39	28,0	(R)EI60	III	●
311	80A50/Ogień+ [4] [5]	C50	Ogień Plus	15,0	-	-	-	-	3250	40	38	32	30,0	(R)EI60	III	-
313	75AA50/Expert	2xC50	Expert	12,5	-	-	-	-	4250	-	-	-	20,0	(R)EI20	II	-
313	75AA50/Expert	2xC50	Expert	12,5	50	12,0	50	10,0	4250	42	39	31	20,0	(R)EI20	II	-
313	75AA50/Expert	2xC50	Expert	12,5	50	12,0	50	12,7	4250	42	39	31	20,0	(R)EI30	II	-
313	75AA50/Woda [3]	2xC50	Woda	12,5	-	-	-	-	4250	-	-	-	20,0	(R)EI20	III	-
313	75AA50/Woda [3]	2xC50	Woda	12,5	50	12,0	50	10,0	4250	42	39	31	20,0	(R)EI20	III	-
313	75AA50/Woda [3]	2xC50	Woda	12,5	50	12,0	50	12,7	4250	42	39	31	20,0	(R)EI30	III	-
313	75AA50/OgieńTypF	2xC50	Ogień Typ F	12,5	50	12,0	50	10,0	4250	42	39	31	22,0	(R)EI30	III	-
313	75AA50/Ogień+ [4]	2xC50	Ogień Plus	12,5	-	-	-	-	4250	-	-	-	24,0	(R)EI30	III	-
313	75AA50/Ogień+ [4]	2xC50	Ogień Plus	12,5	-	-	50	10,0	4250	-	-	-	24,0	(R)EI45	III	-
313	75AA50/Ogień+	2xC50	Ogień Plus	12,5	50	12,0	50	30,0	4250	42	39	31	24,0	(R)EI60	III	-
313	75AA50/WodaOgień+	2xC50	Woda Ogień Plus	12,5	50	12,0	50	30,0	4250	42	39	31	24,0	(R)EI60	III	-
313	75AA50/Twarda	2xC50	Twarda	12,5	50	12,0	50	30,0	4250	42	39	31	29,0	(R)EI60	III	●
313	75AA50/Hydro	2xC50	Hydro	12,5	50	12,0	50	50,0	4250	42	39	31	25,0	(R)EI60	III	●
313	75AA50/Cicha	2xC50	Cicha	12,5	50	12,0	50	30,0	4250	42	39	31	29,0	(R)EI60	III	●
313	80AA50/Ogień+ [4]	2xC50	Ogień Plus	15,0	-	-	-	-	4250	-	-	-	31,0	(R)EI60	III	-
THE PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C75 PROFILES																
315	100A75/Expert [5]	C75	Expert	12,5	-	-	-	-	4500	37	34	28	19,0	(R)EI20	III	-
315	100A75/Expert	C75	Expert	12,5	75	14,5	50	10,0	4500	46	41	33	19,0	(R)EI20	III	-
315	100A75/Expert	C75	Expert	12,5	75	14,5	50	12,7	4500	46	41	33	19,0	(R)EI30	III	-
315	100A75/Woda [3] [5]	C75	Woda	12,5	-	-	-	-	4500	37	34	28	19,0	(R)EI20	III	-
315	100A75/Woda [3]	C75	Woda	12,5	75	14,5	50	10,0	4500	46	41	33	19,0	(R)EI20	III	-
315	100A75/Woda [3]	C75	Woda	12,5	75	14,5	50	12,7	4500	46	41	33	19,0	(R)EI30	III	-
315	100A75/OgieńTypF	C75	Ogień Typ F	12,5	75	14,5	50	10,0	4500	46	41	33	21,0	(R)EI30	III	-
315	100A75/Ogień+ [4] [5]	C75	Ogień Plus	12,5	-	-	-	-	4500	38	35	29	23,0	(R)EI30	III	-
315	100A75/Ogień+ [4] [5]	C75	Ogień Plus	12,5	50	10,0	50	10,0	4500	43	39	31	23,0	(R)EI45	III	-
315	100A75/Ogień+	C75	Ogień Plus	12,5	50	12,0	50	30,0	4500	47	44	37	23,0	(R)EI60	III	-
315	100A75/WodaOgień+	C75	Woda Ogień Plus	12,5	50	12,0	50	30,0	4500	47	44	37	23,0	(R)EI60	III	-
315	100A75/Twarda	C75	Twarda	12,5	75	14,5	50	30,0	4500	51	48	41	28,0	(R)EI60	III	●
315	100A75/Hydro	C75	Hydro	12,5	50	12,0	50	50,0	4500	47	44	37	24,0	(R)EI60	III	●
315	100A75/Cicha	C75	Cicha	12,5	75	14,5	50	30,0	4500	54	50	43	28,0	(R)EI60	III	●
315	105A75/Ogień+ [4] [5]	C75	Ogień Plus	15,0	-	-	-	-	4500	40	38	32	30,0	(R)EI60	III	-
317	100AA75/Expert	2xC75	Expert	12,5	-	-	-	-	6500	-	-	-	20,0	(R)EI20	IV	-
317	100AA75/Expert	2xC75	Expert	12,5	-	-	50	10,0	6500	-	-	-	20,0	(R)EI20	IV	-
317	100AA75/Expert	2xC75	Expert	12,5	-	-	50	12,7	6500	-	-	-	20,0	(R)EI30	IV	-
317	100AA75/Woda	2xC75	Woda	12,5	-	-	-	-	6500	-	-	-	20,0	(R)EI20	IV	-
317	100AA75/Woda [3]	2xC75	Woda	12,5	-	-	50	10,0	6500	-	-	-	20,0	(R)EI20	IV	-
317	100AA75/Woda [3]	2xC75	Woda	12,5	-	-	50	12,7	6500	-	-	-	20,0	(R)EI30	IV	-
317	100AA75/OgieńTypF	2xC75	Ogień Typ F	12,5	-	-	50	10,0	6500	-	-	-	22,0	(R)EI30	IV	-
317	100AA75/Ogień+ [4]	2xC75	Ogień Plus	12,5	-	-	-	-	6500	-	-	-	24,0	(R)EI30	IV	-
317	100AA75/Ogień+ [4]	2xC75	Ogień Plus	12,5	-	-	50	10,0	6500	-	-	-	24,0	(R)EI45	IV	-
317	100AA75/Ogień+	2xC75	Ogień Plus	12,5	-	-	50	30,0	6500	-	-	-	24,0	(R)EI60	IV	-
317	100AA75/WodaOgień+	2xC75	Woda Ogień Plus	12,5	-	-	50	30,0	6500	-	-	-	24,0	(R)EI60	IV	-
317	100AA75/Twarda	2xC75	Twarda	12,5	-	-	50	30,0	6500	-	-	-	30,0	(R)EI60	IV	●
317	100AA75/Hydro	2xC75	Hydro	12,5	-	-	50	50,0	6500	-	-	-	26,0	(R)EI60	IV	●
317	100AA75/Cicha	2xC75	Cicha	12,5	-	-	50	30,0	6500	-	-	-	30,0	(R)EI60	IV	●
317	105AA75/Ogień+ [4]	2xC75	Ogień Plus	15,0	-	-	-	-	6500	-	-	-	31,0	(R)EI60	IV	-

A detailed clarification of the footnotes are located with the individual systems.

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C100 PROFILES																
319	125A100/Expert [5]	C100	Expert	12,5	-	-	-	-	5000	38	36	31	19,0	(R)EI20	IV	-
319	125A100/Expert	C100	Expert	12,5	100	14,5	50	10,0	5000	50	47	39	19,0	(R)EI20	IV	-
319	125A100/Expert	C100	Expert	12,5	100	14,5	50	12,7	5000	50	47	39	19,0	(R)EI30	IV	-
319	125A100/Woda [3] [5]	C100	Woda	12,5	-	-	-	-	5000	38	36	31	19,0	(R)EI20	IV	-
319	125A100/Woda [3]	C100	Woda	12,5	100	14,5	50	10,0	5000	50	47	39	19,0	(R)EI20	IV	-
319	125A100/Woda [3]	C100	Woda	12,5	100	14,5	50	12,7	5000	50	47	39	19,0	(R)EI30	IV	-
319	125A100/OgieńTypF	C100	Ogień Typ F	12,5	100	14,5	50	10,0	5000	50	47	39	21,0	(R)EI30	IV	-
319	125A100/Ogień+ [4] [5]	C100	Ogień Plus	12,5	-	-	-	-	5000	40	36	29	23,0	(R)EI30	IV	-
319	125A100/Ogień+ [4] [5]	C100	Ogień Plus	12,5	100	10,0	50	10,0	5000	45	41	34	23,0	(R)EI45	IV	-
319	125A100/Ogień+	C100	Ogień Plus	12,5	100	12,0	50	30,0	5000	50	48	43	23,0	(R)EI60	IV	-
319	125A100/WodaOgień+	C100	Woda Ogień Plus	12,5	100	12,0	50	30,0	5000	50	48	43	23,0	(R)EI60	IV	-
319	125A100/Twarda	C100	Twarda	12,5	100	14,5	50	30,0	5000	54	51	43	29,0	(R)EI60	IV	●
319	125A100/Hydro	C100	Hydro	12,5	100	12,0	50	50,0	5000	50	48	43	25,0	(R)EI60	IV	●
319	125A100/Cicha	C100	Cicha	12,5	100	14,5	50	30,0	5000	56	53	47	29,0	(R)EI60	IV	●
319	130A100/Ogień+ [4] [5]	C100	Ogień Plus	15,0	-	-	-	-	5000	42	40	35	30,0	(R)EI60	IV	-
321	125AA100/Expert	2xC100	Expert	12,5	-	-	-	-	6500	-	-	-	21,0	(R)EI20	IV	-
321	125AA100/Expert	2xC100	Expert	12,5	50	12,0	50	10,0	6500	46	43	36	21,0	(R)EI20	IV	-
321	125AA100/Expert	2xC100	Expert	12,5	50	12,0	50	12,7	6500	46	43	36	21,0	(R)EI30	IV	-
321	125AA100/Woda	2xC100	Woda	12,5	-	-	-	-	6500	-	-	-	21,0	(R)EI20	IV	-
321	125AA100/Woda [3]	2xC100	Woda	12,5	50	12,0	50	10,0	6500	46	43	36	21,0	(R)EI20	IV	-
321	125AA100/Woda [3]	2xC100	Woda	12,5	50	12,0	50	12,7	6500	46	43	36	21,0	(R)EI30	IV	-
321	125AA100/OgieńTypF	2xC100	Ogień Typ F	12,5	50	12,0	50	10,0	6500	46	43	36	22,0	(R)EI30	IV	-
321	125AA100/Ogień+ [4]	2xC100	Ogień Plus	12,5	-	-	-	-	6500	-	-	-	25,0	(R)EI30	IV	-
321	125AA100/Ogień+ [4]	2xC100	Ogień Plus	12,5	-	-	50	10,0	6500	-	-	-	25,0	(R)EI45	IV	-
321	125AA100/Ogień+	2xC100	Ogień Plus	12,5	50	12,0	50	30,0	6500	46	43	36	25,0	(R)EI60	IV	-
321	125AA100/WodaOgień+	2xC100	Woda Ogień Plus	12,5	50	12,0	50	30,0	6500	46	43	36	25,0	(R)EI60	IV	-
321	125AA100/Twarda	2xC100	Twarda	12,5	50	12,0	50	30,0	6500	46	43	36	31,0	(R)EI60	IV	●
321	125AA100/Hydro	2xC100	Hydro	12,5	50	12,0	50	50,0	6500	46	43	36	27,0	(R)EI60	IV	●
321	125AA100/Cicha	2xC100	Cicha	12,5	50	12,0	50	30,0	6500	46	43	36	31,0	(R)EI60	IV	●
321	130AA100/Ogień+ [4]	2xC100	Ogień Plus	15,0	-	-	-	-	6500	-	-	-	32,0	(R)EI60	IV	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON SINGLE LOAD-BEARING STRUCTURES OF THE NIDA C50, C75, C100 PROFILES																
323	75A50/Cicha typ A	C50	Cicha typ A	12,5	50	14,5	50	30,0	3250	51	46	39	28,0	(R)EI30	III	●
323	100A75/Cicha typ A	C75	Cicha typ A	12,5	75	14,5	50	30,0	4500	54	50	43	28,0	(R)EI30	III	●
323	125A100/Cicha typ A	C100	Cicha typ A	12,5	100	14,5	50	30,0	5000	56	53	47	29,0	(R)EI30	IV	●
323	75A50/Cicha	C50	Cicha [3]	12,5	50	14,5	50	30,0	3250	51	46	39	28,0	(R)EI60	III	●
323	100A75/Cicha	C75	Cicha [3]	12,5	75	14,5	50	30,0	4500	54	50	43	28,0	(R)EI60	III	●
323	125A100/Cicha	C100	Cicha [3]	12,5	100	14,5	50	30,0	5000	56	53	47	29,0	(R)EI60	IV	●

A detailed clarification of the footnotes are located with the individual systems.

Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h[1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (NIDA RTG)																
325	75A50/RTG-0,5	C50	Ogień Plus / RTG	12,5/12,5 + 0,5	50	12,0	50	30,0	3250	44	39	32	28,0	(R)EI60	III	●
325	75A50/RTG-1,0	C50	Ogień Plus / RTG	12,5/12,5 + 1,0	50	12,0	50	30,0	3250	44	39	32	34,0	(R)EI60	III	●
325	75A50/RTG-1,5	C50	Ogień Plus / RTG	12,5/12,5 + 1,5	50	12,0	50	30,0	3250	44	39	32	40,0	(R)EI60	III	●
325	75A50/RTG-2,0	C50	Ogień Plus / RTG	12,5/12,5 + 2,0	50	12,0	50	30,0	3250	44	39	32	46,0	(R)EI60	III	●
325	75A50/RTG-2,5	C50	Ogień Plus / RTG	12,5/12,5 + 2,5	50	12,0	50	30,0	3250	44	39	32	51,0	(R)EI60	III	●
325	75A50/RTG-3,0	C50	Ogień Plus / RTG	12,5/12,5 + 3,0	50	12,0	50	30,0	3250	44	39	32	57,0	(R)EI60	III	●
327	100A75/RTG-0,5	C75	Ogień Plus / RTG	12,5/12,5 + 0,5	50	12,0	50	30,0	4500	47	44	37	29,0	(R)EI60	III	●
327	100A75/RTG-1,0	C75	Ogień Plus / RTG	12,5/12,5 + 1,0	50	12,0	50	30,0	4500	47	44	37	34,0	(R)EI60	III	●
327	100A75/RTG-1,5	C75	Ogień Plus / RTG	12,5/12,5 + 1,5	50	12,0	50	30,0	4500	47	44	37	40,0	(R)EI60	III	●
327	100A75/RTG-2,0	C75	Ogień Plus / RTG	12,5/12,5 + 2,0	50	12,0	50	30,0	4500	47	44	37	46,0	(R)EI60	III	●
327	100A75/RTG-2,5	C75	Ogień Plus / RTG	12,5/12,5 + 2,5	50	12,0	50	30,0	4500	47	44	37	52,0	(R)EI60	III	●
327	100A75/RTG-3,0	C75	Ogień Plus / RTG	12,5/12,5 + 3,0	50	12,0	50	30,0	4500	47	44	37	57,0	(R)EI60	III	●
329	125A100/RTG-0,5	C100	Ogień Plus / RTG	12,5/12,5 + 0,5	100	12,0	50	30,0	5000	50	48	43	29,0	(R)EI60	IV	●
329	125A100/RTG-1,0	C100	Ogień Plus / RTG	12,5/12,5 + 1,0	100	12,0	50	30,0	5000	50	48	43	35,0	(R)EI60	IV	●
329	125A100/RTG-1,5	C100	Ogień Plus / RTG	12,5/12,5 + 1,5	100	12,0	50	30,0	5000	50	48	43	40,0	(R)EI60	IV	●
329	125A100/RTG-2,0	C100	Ogień Plus / RTG	12,5/12,5 + 2,0	100	12,0	50	30,0	5000	50	48	43	46,0	(R)EI60	IV	●
329	125A100/RTG-2,5	C100	Ogień Plus / RTG	12,5/12,5 + 2,5	100	12,0	50	30,0	5000	50	48	43	52,0	(R)EI60	IV	●
329	125A100/RTG-3,0	C100	Ogień Plus / RTG	12,5/12,5 + 3,0	100	12,0	50	30,0	5000	50	48	43	58,0	(R)EI60	IV	●

Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h[1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50 PROFILES																
331	100A50/Expert[4] [6]	C50	Expert	2x12,5	-	-	-	-	4500	43	39	32	35,0	(R)EI60	III / IV	-
331	100A50/Expert	C50	Expert	2x12,5	50	14,5	50	10,0	4500	54	50	43	35,0	(R)EI60	III / IV	-
331	100A50/Woda[3]	C50	Woda	2x12,5	50	14,5	50	10,0	4500	54	50	43	35,0	(R)EI60	III / IV	-
331	100A50/Expert + Ogień+	C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4500	44	40	33	39,0	(R)EI90	III / IV	-
331	100A50/Ogień+[5] [6]	C50	Ogień Plus	2x12,5	-	-	-	-	4500	47	42	35	43,0	(R)EI120	III / IV	-
331	100A50/Ogień+[5] [6]	C50	Ogień Plus	2x12,5	50	10,0	50	10,0	4500	51	46	39	43,0	(R)EI120	III / IV	-
331	100A50/Ogień+	C50	Ogień Plus	2x12,5	50	14,5	50	30,0	4500	57	55	49	43,0	(R)EI120	III / IV	-
331	100A50/WodaOgień+	C50	Woda Ogień Plus	2x12,5	50	14,5	50	30,0	4500	57	55	49	43,0	(R)EI120	III / IV	-
331	100A50/Twarda	C50	Twarda	2x12,5	50	14,5	50	30,0	4500	60	57	51	54,0	(R)EI120	III / IV	●
331	100A50/Hydro	C50	Hydro	2x12,5	50	14,5	50	50,0	4500	57	55	49	46,0	(R)EI120	III / IV	●
331	100A50/Cicha	C50	Cicha	2x12,5	50	14,5	50	30,0	4500	60	57	52	54,0	(R)EI120	III / IV	-
333	100AA50/Expert[4]	2xC50	Expert	2x12,5	-	-	-	-	5500	-	-	-	36,0	(R)EI60	IV	-
333	100AA50/Expert	2xC50	Expert	2x12,5	-	-	50	10,0	5500	-	-	-	36,0	(R)EI60	IV	-
333	100AA50/Woda[3]	2xC50	Woda	2x12,5	-	-	50	10,0	5500	-	-	-	36,0	(R)EI60	IV	-
333	100AA50/Expert + Ogień+	2xC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	-	-	-	40,0	(R)EI90	IV	-
333	100AA50/Ogień+[5]	2xC50	Ogień Plus	2x12,5	-	-	-	-	5500	-	-	-	44,0	(R)EI120	IV	-
333	100AA50/Ogień+[5]	2xC50	Ogień Plus	2x12,5	-	-	50	10,0	5500	-	-	-	44,0	(R)EI120	IV	-
333	100AA50/Ogień+	2xC50	Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	44,0	(R)EI120	IV	-
333	100AA50/WodaOgień+	2xC50	Woda Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	44,0	(R)EI120	IV	-
333	100AA50/Twarda	2xC50	Twarda	2x12,5	-	-	50	30,0	5500	-	-	-	57,0	(R)EI120	IV	●
333	100AA50/Hydro	2xC50	Hydro	2x12,5	-	-	50	50,0	5500	-	-	-	49,0	(R)EI120	IV	●
333	100AA50/Cicha	2xC50	Cicha	2x12,5	-	-	50	30,0	5500	-	-	-	57,0	(R)EI120	IV	-

A detailed clarification of the footnotes are located with the individual systems.

Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h[1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C75 PROFILES																
335	125A75/Expert[5] 7)	C75	Expert	2x12,5	-	-	-	-	5500	45	42	35	35,0	(R)EI60	IV	-
335	125A75/Expert-Q[4]	C75	Expert	2x12,5	75	14,5	50	10,0	5500	59	55	49	35,0	(R)EI60	IV	-
335	125A75/Woda-Q[3] [4]	C75	Woda	2x12,5	75	14,5	50	10,0	5500	59	55	49	35,0	(R)EI60	IV	-
335	125A75/Expert	C75	Expert	2x12,5	75	14,5	50	10,0	5500	58	56	51	35,0	(R)EI60	IV	-
335	125A75/Woda[3]	C75	Woda	2x12,5	75	14,5	50	10,0	5500	58	56	51	35,0	(R)EI60	IV	-
335	125A75/Expert + Ogień+	C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	47	43	37	39,0	(R)EI90	IV	-
335	125A75/Ogień+[6] 7)	C75	Ogień Plus	2x12,5	-	-	-	-	5500	49	46	39	43,0	(R)EI120	IV	-
335	125A75/Ogień+[6] 7)	C75	Ogień Plus	2x12,5	75	10,0	50	10,0	5500	54	50	43	43,0	(R)EI120	IV	-
335	125A75/Ogień+	C75	Ogień Plus	2x12,5	75	14,5	50	30,0	5500	58	56	50	43,0	(R)EI120	IV	-
335	125A75/WodaOgień+	C75	Woda Ogień Plus	2x12,5	75	14,5	50	30,0	5500	58	56	50	43,0	(R)EI120	IV	-
335	125A75/Twarda	C75	Twarda	2x12,5	50	14,5	50	30,0	5500	60	58	53	55,0	(R)EI120	IV	●
335	125A75/Hydro	C75	Hydro	2x12,5	75	14,5	50	50,0	5500	58	56	50	47,0	(R)EI120	IV	●
335	125A75/Cicha	C75	Cicha	2x12,5	75	14,5	50	30,0	5500	61	60	55	55,0	(R)EI120	IV	-
337	125AA75/Expert[4]	2xC75	Expert	2x12,5	-	-	-	-	6500	-	-	-	37,0	(R)EI60	IV	-
337	125AA75/Expert	2xC75	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	37,0	(R)EI60	IV	-
337	125AA75/Woda[3]	2xC75	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	37,0	(R)EI60	IV	-
337	125AA75/Expert + Ogień+	2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI90	IV	-
337	125AA75/Ogień+[5]	2xC75	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI120	IV	-
337	125AA75/Ogień+[5]	2xC75	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	45,0	(R)EI120	IV	-
337	125AA75/Ogień+	2xC75	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	45,0	(R)EI120	IV	-
337	125AA75/WodaOgień+	2xC75	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	45,0	(R)EI120	IV	-
337	125AA75/Twarda	2xC75	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	56,0	(R)EI120	IV	●
337	125AA75/Hydro	2xC75	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	48,0	(R)EI120	IV	●
337	125AA75/Cicha	2xC75	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	56,0	(R)EI120	IV	-

Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h[1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C100 PROFILES																
339	150A100/Expert[4] [6]	C100	Expert	2x12,5	-	-	-	-	6500	47	44	38	36,0	(R)EI60	IV	-
339	150A100/Expert	C100	Expert	2x12,5	100	14,5	50	10,0	6500	58	56	50	36,0	(R)EI60	IV	-
339	150A100/Expert	C100	Expert	2x12,5	100	38,0	50	10,0	6500	59	55	49	36,0	(R)EI60	IV	-
339	150A100/Woda[3]	C100	Woda	2x12,5	100	14,5	50	10,0	6500	58	56	50	36,0	(R)EI60	IV	-
339	150A100/Woda[3]	C100	Woda	2x12,5	100	38,0	50	10,0	6500	59	55	49	36,0	(R)EI60	IV	-
339	150A100/Expert + Ogień+	C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	49	45	40	40,0	(R)EI90	IV	-
339	150A100/Ogień+[5] [6]	C100	Ogień Plus	2x12,5	-	-	-	-	6500	51	48	42	44,0	(R)EI120	IV	-
339	150A100/Ogień+[5] [6]	C100	Ogień Plus	2x12,5	100	10,0	50	10,0	6500	56	53	47	44,0	(R)EI120	IV	-
339	150A100/Ogień+	C100	Ogień Plus	2x12,5	100	14,5	50	30,0	6500	59	57	53	44,0	(R)EI120	IV	-
339	150A100/WodaOgień+	C100	Woda Ogień Plus	2x12,5	100	14,5	50	30,0	6500	59	57	53	44,0	(R)EI120	IV	-
339	150A100/Twarda	C100	Twarda	2x12,5	100	14,5	50	30,0	6500	62	60	56	55,0	(R)EI120	IV	●
339	150A100/Hydro	C100	Hydro	2x12,5	100	14,5	50	50,0	6500	59	57	53	47,0	(R)EI120	IV	●
339	150A100/Cicha	C100	Cicha	2x12,5	100	14,5	50	30,0	6500	63	61	57	55,0	(R)EI120	IV	-
341	150AA100/Expert[4]	2xC100	Expert	2x12,5	-	-	-	-	6500	-	-	-	37,0	(R)EI60	IV	-
341	150AA100/Expert	2xC100	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	37,0	(R)EI60	IV	-
341	150AA100/Woda[3]	2xC100	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	37,0	(R)EI60	IV	-
341	150AA100/Expert + Ogień+	2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI90	IV	-
341	150AA100/Ogień+[5]	2xC100	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI120	IV	-
341	150AA100/Ogień+[5]	2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	45,0	(R)EI120	IV	-
341	150AA100/Ogień+	2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	45,0	(R)EI120	IV	-
341	150AA100/WodaOgień+	2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	45,0	(R)EI120	IV	-
341	150AA100/Twarda	2xC100	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	57,0	(R)EI120	IV	●
341	150AA100/Hydro	2xC100	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	49,0	(R)EI120	IV	●
341	150AA100/Cicha	2xC100	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	57,0	(R)EI120	IV	-

A detailed clarification of the footnotes are located with the individual systems.

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (NIDA RTG)																
343	100A50/RTG-0,5	C50	Ogień Plus / RTG	2x12,5/2x(12,5+0,5)	50	14,5	50	30,0	4500	57	55	49	55,0	(R)EI120	III/IV	●
343	100A50/RTG-1,0	C50	Ogień Plus / RTG	2x12,5/2x(12,5+1,0)	50	14,5	50	30,0	4500	57	55	49	66,0	(R)EI120	III/IV	●
343	100A50/RTG-1,5	C50	Ogień Plus / RTG	2x12,5/2x(12,5+1,5)	50	14,5	50	30,0	4500	57	55	49	78,0	(R)EI120	III/IV	●
343	100A50/RTG-2,0	C50	Ogień Plus / RTG	2x12,5/2x(12,5+2,0)	50	14,5	50	30,0	4500	57	55	49	89,0	(R)EI120	III/IV	●
343	100A50/RTG-2,5	C50	Ogień Plus / RTG	2x12,5/2x(12,5+2,5)	50	14,5	50	30,0	4500	57	55	49	101,0	(R)EI120	III/IV	●
343	100A50/RTG-3,0	C50	Ogień Plus / RTG	2x12,5/2x(12,5+3,0)	50	14,5	50	30,0	4500	57	55	49	112,0	(R)EI120	III/IV	●
345	125A75/RTG-0,5	C75	Ogień Plus / RTG	2x12,5/2x(12,5+0,5)	75	14,5	50	30,0	5500	58	56	50	55,0	(R)EI120	IV	●
345	125A75/RTG-1,0	C75	Ogień Plus / RTG	2x12,5/2x(12,5+1,0)	75	14,5	50	30,0	5500	58	56	50	67,0	(R)EI120	IV	●
345	125A75/RTG-1,5	C75	Ogień Plus / RTG	2x12,5/2x(12,5+1,5)	75	14,5	50	30,0	5500	58	56	50	78,0	(R)EI120	IV	●
345	125A75/RTG-2,0	C75	Ogień Plus / RTG	2x12,5/2x(12,5+2,0)	75	14,5	50	30,0	5500	58	56	50	89,0	(R)EI120	IV	●
345	125A75/RTG-2,5	C75	Ogień Plus / RTG	2x12,5/2x(12,5+2,5)	75	14,5	50	30,0	5500	58	56	50	101,0	(R)EI120	IV	●
345	125A75/RTG-3,0	C75	Ogień Plus / RTG	2x12,5/2x(12,5+3,0)	75	14,5	50	30,0	5500	58	56	50	112,0	(R)EI120	IV	●
347	150A100/RTG-0,5	C100	Ogień Plus / RTG	2x12,5/2x(12,5+0,5)	100	14,5	50	30,0	6500	59	57	53	56,0	(R)EI120	IV	●
347	150A100/RTG-1,0	C100	Ogień Plus / RTG	2x12,5/2x(12,5+1,0)	100	14,5	50	30,0	6500	59	57	53	67,0	(R)EI120	IV	●
347	150A100/RTG-1,5	C100	Ogień Plus / RTG	2x12,5/2x(12,5+1,5)	100	14,5	50	30,0	6500	59	57	53	78,0	(R)EI120	IV	●
347	150A100/RTG-2,0	C100	Ogień Plus / RTG	2x12,5/2x(12,5+2,0)	100	14,5	50	30,0	6500	59	57	53	90,0	(R)EI120	IV	●
347	150A100/RTG-2,5	C100	Ogień Plus / RTG	2x12,5/2x(12,5+2,5)	100	14,5	50	30,0	6500	59	57	53	101,0	(R)EI120	IV	●
347	150A100/RTG-3,0	C100	Ogień Plus / RTG	2x12,5/2x(12,5+3,0)	100	14,5	50	30,0	6500	59	57	53	113,0	(R)EI120	IV	●

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES																
349	125A50/OgieńTypF	C50	Ogień Typ F	3x12,5	50	14,5	50	10,0	4500	54	50	43	58,0	(R)EI120	IV	-
349	150A75/OgieńTypF	C75	Ogień Typ F	3x12,5	75	14,5	50	10,0	5500	57	54	48	59,0	(R)EI120	IV	-
349	175A100/OgieńTypF	C100	Ogień Typ F	3x12,5	100	14,5	50	10,0	6500	58	56	50	59,0	(R)EI120	IV	-
349	125AA50/OgieńTypF	2xC50	Ogień Typ F	3x12,5	-	-	50	10,0	5500	-	-	-	60,0	(R)EI120	IV	-
349	150AA75/OgieńTypF	2xC75	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	60,0	(R)EI120	IV	-
349	175AA100/OgieńTypF	2xC100	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	61,0	(R)EI120	IV	-
351	125A50/Ogień+	C50	Ogień+	3x12,5	50	14,5	50	50,0	4500	54	50	43	64,0	(R)EI180	IV	-
351	150A75/Ogień+	C75	Ogień+	3x12,5	75	14,5	50	50,0	5500	57	54	48	65,0	(R)EI180	IV	-
351	175A100/Ogień+	C100	Ogień+	3x12,5	100	14,5	50	50,0	6500	58	56	50	65,0	(R)EI180	IV	-
351	125AA50/Ogień+	2xC50	Ogień+	3x12,5	-	-	50	50,0	5500	-	-	-	66,0	(R)EI180	IV	-
351	150AA75/Ogień+	2xC75	Ogień+	3x12,5	-	-	50	50,0	6500	-	-	-	66,0	(R)EI180	IV	-
351	175AA100/Ogień+	2xC100	Ogień+	3x12,5	-	-	50	50,0	6500	-	-	-	67,0	(R)EI180	IV	-

A detailed clarification of the footnotes are located with the individual systems.

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Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM WITH PARTIAL SHEATHING ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (NIDA LS)																
353	75A50/LS/Expert	C50	Expert	12,5	50	10,0	-	-	3250	-	-	-	14,0	-	III	-
353	100A75/LS/Expert	C75	Expert	12,5	75	10,0	-	-	4500	-	-	-	14,0	-	III	-
353	125A100/LS/Expert	C100	Expert	12,5	100	10,0	-	-	5000	-	-	-	15,0	-	IV	-
353	75AA50/LS/Expert	2xC50	Expert	12,5	50	10,0	-	-	4250	-	-	-	16,0	-	III	-
353	100AA75/LS/Expert	2xC75	Expert	12,5	75	10,0	-	-	6750	-	-	-	16,0	-	IV	-
353	125AA100/LS/Expert	2xC100	Expert	12,5	100	10,0	-	-	7750	-	-	-	17,0	-	IV	-
355	100A50/LS/Expert	C50	Expert	2x12,5	50	10,0	-	-	4500	-	-	-	27,0	-	III/IV	-
355	125A75/LS/Expert	C75	Expert	2x12,5	75	10,0	-	-	5500	-	-	-	27,0	-	IV	-
355	150A100/LS/Expert	C100	Expert	2x12,5	100	10,0	-	-	6500	-	-	-	27,0	-	IV	-
355	100AA50/LS/Expert	2xC50	Expert	2x12,5	50	10,0	-	-	5500	-	-	-	28,0	-	IV	-
355	125AA75/LS/Expert	2xC75	Expert	2x12,5	75	10,0	-	-	7500	-	-	-	29,0	-	IV	-
355	150AA100/LS/Expert	2xC100	Expert	2x12,5	100	10,0	-	-	9000	-	-	-	29,0	-	IV	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (HYBRID WALLS)																
357	100A50/Expert+Twarda	C50	Expert+Twarda	12,5+12,5	50	14,5	-	-	4500	58	55	49	45,0	(R)EI90	III/IV	●
357	100A50/Woda+Twarda	C50	Woda+Twarda	12,5+12,5	50	14,5	-	-	4500	58	55	49	45,0	(R)EI90	III/IV	●
357	125A75/Expert+Twarda	C75	Expert+Twarda	12,5+12,5	75	14,5	-	-	5500	58	55	49	45,0	(R)EI90	IV	●
357	125A75/Woda+Twarda	C75	Woda+Twarda	12,5+12,5	75	14,5	-	-	5500	58	55	49	45,0	(R)EI90	IV	●
357	150A100/Expert+Twarda	C100	Expert+Twarda	12,5+12,5	100	14,5	-	-	6500	63	62	58	45,0	(R)EI90	IV	●
357	150A100/Woda+Twarda	C100	Woda+Twarda	12,5+12,5	100	14,5	-	-	6500	63	62	58	45,0	(R)EI90	IV	●

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (HYBRID WALLS – EXPERT/CICHA)																
359	100A50/Expert+Cicha typ A	C50	Expert+Cicha typ A	12,5+12,5	50	38,0	-	-	4500	56	52	45	45,0	(R)EI60	III/IV	●
359	100A50/Woda+Cicha typ A	C50	Woda+Cicha typ A	12,5+12,5	50	38,0	-	-	4500	56	52	45	45,0	(R)EI60	III/IV	●
359	125A75/Expert+Cicha typ A	C75	Expert+Cicha typ A	12,5+12,5	75	15,0	-	-	5500	62	60	54	45,0	(R)EI60	IV	●
359	125A75/Woda+Cicha typ A	C75	Woda+Cicha typ A	12,5+12,5	75	15,0	-	-	5500	62	60	54	45,0	(R)EI60	IV	●
359	150A100/Expert+Cicha typ A	C100	Expert+Cicha typ A	12,5+12,5	75	15,0	-	-	6500	62	60	54	45,0	(R)EI60	IV	●
359	150A100/Woda+Cicha typ A	C100	Woda+Cicha typ A	12,5+12,5	75	15,0	-	-	6500	62	60	54	45,0	(R)EI60	IV	●
359	100A50/Expert+Cicha	C50	Expert+Cicha [3]	12,5+12,5	50	38,0	-	-	4500	56	52	45	45,0	(R)EI90	III/IV	●
359	100A50/Woda+Cicha	C50	Woda+Cicha [3]	12,5+12,5	50	38,0	-	-	4500	56	52	45	45,0	(R)EI90	III/IV	●
359	125A75/Expert+Cicha	C75	Expert+Cicha [3]	12,5+12,5	75	15,0	-	-	5500	62	60	54	45,0	(R)EI90	IV	●
359	125A75/Woda+Cicha	C75	Woda+Cicha [3]	12,5+12,5	75	15,0	-	-	5500	62	60	54	45,0	(R)EI90	IV	●
359	150A100/Expert+Cicha	C100	Expert+Cicha [3]	12,5+12,5	75	15,0	-	-	6500	62	60	54	45,0	(R)EI90	IV	●
359	150A100/Woda+Cicha	C100	Woda+Cicha [3]	12,5+12,5	75	15,0	-	-	6500	62	60	54	45,0	(R)EI90	IV	●

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Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h[1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON SINGLE LOAD-BEARING STRUCTURES OF THE NIDA C50, C75, C100 PROFILES																
361	100A50/Cicha typ A	C50	Cicha typ A	2x12,5	50	14,5	50	30,0	4500	60	57	52	54,0	(R)EI60	III/IV	●
361	125A75/Cicha typ A	C75	Cicha typ A	2x12,5	75	14,5	50	30,0	5500	61	60	55	55,0	(R)EI60	IV	●
361	150A100/Cicha typ A	C100	Cicha typ A	2x12,5	100	14,5	50	30,0	6500	63	61	57	55,0	(R)EI60	IV	●
361	100A50/Cicha	C50	Cicha [3]	2x12,5	50	14,5	50	30,0	4500	60	57	52	54,0	(R)EI120	III/IV	●
361	125A75/Cicha	C75	Cicha [3]	2x12,5	75	14,5	50	30,0	5500	61	60	55	55,0	(R)EI120	IV	●
361	150A100/Cicha	C100	Cicha [3]	2x12,5	100	14,5	50	30,0	6500	63	61	57	55,0	(R)EI120	IV	●

Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h[1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50 + NIDA PK48 PROFILES																
363	100+15A50/Expert [4] [6]	C50+PK48	Expert	2x12,5	-	-	-	-	4500	45	42	35	36,0	-	IV	-
363	100+15A50/Expert	C50+PK48	Expert	2x12,5	50	14,5	-	-	4500	56	52	45	36,0	-	IV	-
363	100+15A50/Woda [3]	C50+PK48	Woda	2x12,5	50	14,5	-	-	4500	56	52	45	36,0	-	IV	-
363	100+15A50/Expert + Ogień+	C50+PK48	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4500	47	44	37	40,0	-	IV	-
363	100+15A50/Ogień+ [5] [6]	C50+PK48	Ogień Plus	2x12,5	-	-	-	-	4500	50	46	39	44,0	-	IV	-
363	100+15A50/Ogień+ [5] [6]	C50+PK48	Ogień Plus	2x12,5	50	10	-	-	4500	55	51	43	44,0	-	IV	-
363	100+15A50/Ogień+	C50+PK48	Ogień Plus	2x12,5	50	14,5	-	-	4500	56	52	45	44,0	-	IV	-
363	100+15A50/WodaOgień+	C50+PK48	Woda Ogień Plus	2x12,5	50	14,5	-	-	4500	56	52	45	44,0	-	IV	-
363	100+15A50/Twarda	C50+PK48	Twarda	2x12,5	50	14,5	-	-	4500	56	52	45	55,0	-	IV	●
363	100+15A50/Hydro	C50+PK48	Hydro	2x12,5	50	14,5	-	-	4500	56	52	45	47,0	-	IV	●
363	100+15A50/Cicha	C50+PK48	Cicha	2x12,5	50	14,5	-	-	4500	56	52	45	55,0	-	IV	-

Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h[1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50 + NIDA MFCC50 PROFILES																
365	100+25A50/Expert [4] [6]	C50+MFCC50	Expert	2x12,5	-	-	-	-	4500	46	43	36	36,0	-	IV	-
365	100+25A50/Expert	C50+MFCC50	Expert	2x12,5	50	14,5	-	-	4500	55	52	45	36,0	-	IV	-
365	100+25A50/Woda [3]	C50+MFCC50	Woda	2x12,5	50	14,5	-	-	4500	55	52	45	36,0	-	IV	-
365	100+25A50/Expert + Ogień+	C50+MFCC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4500	48	45	39	40,0	-	IV	-
365	100+25A50/Ogień+ [5] [6]	C50+MFCC50	Ogień Plus	2x12,5	-	-	-	-	4500	51	48	41	44,0	-	IV	-
365	100+25A50/Ogień+ [5] [6]	C50+MFCC50	Ogień Plus	2x12,5	50	10	-	-	4500	56	52	45	44,0	-	IV	-
365	100+25A50/Ogień+	C50+MFCC50	Ogień Plus	2x12,5	50	14,5	-	-	4500	55	52	45	44,0	-	IV	-
365	100+25A50/WodaOgień+	C50+MFCC50	Woda Ogień Plus	2x12,5	50	14,5	-	-	4500	55	52	45	44,0	-	IV	-
365	100+25A50/Twarda	C50+MFCC50	Twarda	2x12,5	50	14,5	-	-	4500	55	52	45	55,0	-	IV	●
365	100+25A50/Hydro	C50+MFCC50	Hydro	2x12,5	50	14,5	-	-	4500	55	52	45	47,0	-	IV	●
365	100+25A50/Cicha	C50+MFCC50	Cicha	2x12,5	50	14,5	-	-	4500	55	52	45	55,0	-	IV	-

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Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h[1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C75 + NIDA PK48 PROFILES																
367	125+15A75/Expert [4] [6]	C75+PK48	Expert	2x12,5	-	-	-	-	5500	48	44	38	36,0	-	IV	-
367	125+15A75/Expert	C75+PK48	Expert	2x12,5	75	14,5	-	-	5500	59	56	50	36,0	-	IV	-
367	125+15A75/Woda [3]	C75+PK48	Woda	2x12,5	75	14,5	-	-	5500	59	56	50	36,0	-	IV	-
367	125+15A75/Expert + Ogień+	C75+PK48	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	49	46	41	40,0	-	IV	-
367	125+15A75/Ogień+ [5] [6]	C75+PK48	Ogień Plus	2x12,5	-	-	-	-	5500	52	49	43	44,0	-	IV	-
367	125+15A75/Ogień+ [5] [6]	C75+PK48	Ogień Plus	2x12,5	75	10	-	-	5500	57	54	47	44,0	-	IV	-
367	125+15A75/Ogień+	C75+PK48	Ogień Plus	2x12,5	75	14,5	-	-	5500	59	56	50	44,0	-	IV	-
367	125+15A75/WodaOgień+	C75+PK48	Woda Ogień Plus	2x12,5	75	14,5	-	-	5500	59	56	50	44,0	-	IV	-
367	125+15A75/Twarda	C75+PK48	Twarda	2x12,5	75	14,5	-	-	5500	59	56	50	55,0	-	IV	●
367	125+15A75/Hydro	C75+PK48	Hydro	2x12,5	75	14,5	-	-	5500	59	56	50	47,0	-	IV	●
367	125+15A75/Cicha	C75+PK48	Cicha	2x12,5	75	14,5	-	-	5500	59	56	50	55,0	-	IV	-

Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h[1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C75 + NIDA MFCC50 PROFILES																
369	125+25A75/Expert [4] [6]	C75+MFCC50	Expert	2x12,5	-	-	-	-	5500	48	45	39	36,0	-	IV	-
369	125+25A75/Expert	C75+MFCC50	Expert	2x12,5	75	14,5	-	-	5500	60	57	51	36,0	-	IV	-
369	125+25A75/Woda [3]	C75+MFCC50	Woda	2x12,5	75	14,5	-	-	5500	60	57	51	36,0	-	IV	-
369	125+25A75/Expert + Ogień+	C75+MFCC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	50	46	42	40,0	-	IV	-
369	125+25A75/Ogień+ [5] [6]	C75+MFCC50	Ogień Plus	2x12,5	-	-	-	-	5500	52	50	44	44,0	-	IV	-
369	125+25A75/Ogień+ [5] [6]	C75+MFCC50	Ogień Plus	2x12,5	75	10	-	-	5500	58	55	48	44,0	-	IV	-
369	125+25A75/Ogień+	C75+MFCC50	Ogień Plus	2x12,5	75	14,5	-	-	5500	60	57	51	44,0	-	IV	-
369	125+25A75/WodaOgień+	C75+MFCC50	Woda Ogień Plus	2x12,5	75	14,5	-	-	5500	60	57	51	44,0	-	IV	-
369	125+25A75/Twarda	C75+MFCC50	Twarda	2x12,5	75	14,5	-	-	5500	60	57	51	56,0	-	IV	●
369	125+25A75/Hydro	C75+MFCC50	Hydro	2x12,5	75	14,5	-	-	5500	60	57	51	48,0	-	IV	●
369	125+25A75/Cicha	C75+MFCC50	Cicha	2x12,5	75	14,5	-	-	5500	60	57	51	56,0	-	IV	-

Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h[1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C100 + NIDA PK48 PROFILES																
371	150+15A100/Expert [4] [6]	C100+PK48	Expert	2x12,5	-	-	-	-	6500	49	46	41	37,0	-	IV	-
371	150+15A100/Expert	C100+PK48	Expert	2x12,5	100	14,5	-	-	6500	60	57	51	37,0	-	IV	-
371	150+15A100/Woda [3]	C100+PK48	Woda	2x12,5	100	14,5	-	-	6500	60	57	51	37,0	-	IV	-
371	150+15A100/Expert + Ogień+	C100+PK48	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	51	47	43	41,0	-	IV	-
371	150+15A100/Ogień+ [5] [6]	C100+PK48	Ogień Plus	2x12,5	-	-	-	-	6500	53	50	45	45,0	-	IV	-
371	150+15A100/Ogień+ [5] [6]	C100+PK48	Ogień Plus	2x12,5	100	10	-	-	6500	59	56	50	45,0	-	IV	-
371	150+15A100/Ogień+	C100+PK48	Ogień Plus	2x12,5	100	14,5	-	-	6500	60	57	51	45,0	-	IV	-
371	150+15A100/WodaOgień+	C100+PK48	Woda Ogień Plus	2x12,5	100	14,5	-	-	6500	60	57	51	45,0	-	IV	-
371	150+15A100/Twarda	C100+PK48	Twarda	2x12,5	100	14,5	-	-	6500	60	57	51	56,0	-	IV	●
371	150+15A100/Hydro	C100+PK48	Hydro	2x12,5	100	14,5	-	-	6500	60	57	51	48,0	-	IV	●
371	150+15A100/Cicha	C100+PK48	Cicha	2x12,5	100	14,5	-	-	6500	60	57	51	56,0	-	IV	-

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Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C100 + NIDA MFCC50 PROFILES																
373	150+25A100/Expert [4] [6]	C100+MFCC50	Expert	2x12,5	-	-	-	-	6500	49	46	42	37,0	-	IV	-
373	150+25A100/Expert	C100+MFCC50	Expert	2x12,5	100	14,5	-	-	6500	60	58	51	37,0	-	IV	-
373	150+25A100/Woda [3]	C100+MFCC50	Woda	2x12,5	100	14,5	-	-	6500	60	58	51	37,0	-	IV	-
373	150+25A100/Expert + Ogień+	C100+MFCC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	51	47	44	41,0	-	IV	-
373	150+25A100/Ogień+ [5] [6]	C100+MFCC50	Ogień Plus	2x12,5	-	-	-	-	6500	53	51	46	45,0	-	IV	-
373	150+25A100/Ogień+ [5] [6]	C100+MFCC50	Ogień Plus	2x12,5	100	10	-	-	6500	60	57	51	45,0	-	IV	-
373	150+25A100/Ogień+	C100+MFCC50	Ogień Plus	2x12,5	100	14,5	-	-	6500	60	58	51	45,0	-	IV	-
373	150+25A100/WodaOgień+	C100+MFCC50	Woda Ogień Plus	2x12,5	100	14,5	-	-	6500	60	58	51	45,0	-	IV	-
373	150+25A100/Twarda	C100+MFCC50	Twarda	2x12,5	100	14,5	-	-	6500	60	58	51	56,0	-	IV	●
373	150+25A100/Hydro	C100+MFCC50	Hydro	2x12,5	100	14,5	-	-	6500	60	58	51	48,0	-	IV	●
373	150+25A100/Cicha	C100+MFCC50	Cicha	2x12,5	100	14,5	-	-	6500	60	58	51	56,0	-	IV	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURES OF THE NIDA C50 PROFILES																
377	155B50/Expert [4] [6]	C50+C50	Expert	2x12,5	-	-	-	-	4500	49	44	40	37,0	(R)EI60	IV	-
377	155B50/Expert	C50+C50	Expert	2x12,5	2x50	14,5	50	10,0	4500	62	60	55	37,0	(R)EI60	IV	-
377	155B50/Woda [3]	C50+C50	Woda	2x12,5	2x50	14,5	50	10,0	4500	62	60	55	37,0	(R)EI60	IV	-
377	155B50/Expert + Ogień+	C50+C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4500	50	47	42	41,0	(R)EI90	IV	-
377	155B50/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	-	-	-	-	4500	53	50	44	45,0	(R)EI120	IV	-
377	155B50/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	2x50	10,0	50	10,0	4500	60	57	49	45,0	(R)EI120	IV	-
377	155B50/Ogień+	C50+C50	Ogień Plus	2x12,5	2x50	14,5	50	30,0	4500	62	60	55	45,0	(R)EI120	IV	-
377	155B50/WodaOgień+	C50+C50	Woda Ogień Plus	2x12,5	2x50	14,5	50	30,0	4500	62	60	55	45,0	(R)EI120	IV	-
377	155B50/Twarda	C50+C50	Twarda	2x12,5	2x50	14,5	50	30,0	4500	65	63	60	56,0	(R)EI120	IV	●
377	155B50/Hydro	C50+C50	Hydro	2x12,5	2x50	14,5	50	50,0	4500	62	60	55	48,0	(R)EI120	IV	●
377	155B50/Cicha	C50+C50	Cicha	2x12,5	2x50	14,5	50	30,0	4500	69	67	63	56,0	(R)EI120	IV	-
379	155BB50/Expert [4]	2xC50+2xC50	Expert	2x12,5	-	-	-	-	5500	-	-	-	39,0	(R)EI60	IV	-
379	155BB50/Expert	2xC50+2xC50	Expert	2x12,5	-	-	50	10,0	5500	-	-	-	39,0	(R)EI60	IV	-
379	155BB50/Woda [3]	2xC50+2xC50	Woda	2x12,5	-	-	50	10,0	5500	-	-	-	39,0	(R)EI60	IV	-
379	155BB50/Expert + Ogień+	2xC50+2xC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	-	-	-	43,0	(R)EI90	IV	-
379	155BB50/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	-	-	5500	-	-	-	47,0	(R)EI120	IV	-
379	155BB50/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	10,0	5500	-	-	-	47,0	(R)EI120	IV	-
379	155BB50/Ogień+	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	47,0	(R)EI120	IV	-
379	155BB50/WodaOgień+	2xC50+2xC50	Woda Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	47,0	(R)EI120	IV	-
379	155BB50/Twarda	2xC50+2xC50	Twarda	2x12,5	-	-	50	30,0	5500	-	-	-	59,0	(R)EI120	IV	●
379	155BB50/Hydro	2xC50+2xC50	Hydro	2x12,5	-	-	50	50,0	5500	-	-	-	51,0	(R)EI120	IV	●
379	155BB50/Cicha	2xC50+2xC50	Cicha	2x12,5	-	-	50	30,0	5500	-	-	-	59,0	(R)EI120	IV	-

A detailed clarification of the footnotes are located with the individual systems.

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURES OF THE NIDA C75 PROFILES																
381	205B75/Expert [4] [6]	C75+C75	Expert	2x12,5	-	-	-	-	6000	50	47	43	37,0	(R)EI60	IV	-
381	205B75/Expert	C75+C75	Expert	2x12,5	2x50	12,0	50	10,0	6000	64	62	55	37,0	(R)EI60	IV	-
381	205B75/Woda [3]	C75+C75	Woda	2x12,5	2x50	12,0	50	10,0	6000	64	62	55	37,0	(R)EI60	IV	-
381	205B75/Expert + Ogień+	C75+C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6000	52	48	45	41,0	(R)EI90	IV	-
381	205B75/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	-	-	-	-	6000	54	52	47	45,0	(R)EI120	IV	-
381	205B75/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	2x50	10,0	50	10,0	6000	64	61	54	45,0	(R)EI120	IV	-
381	205B75/Ogień+	C75+C75	Ogień Plus	2x12,5	2x50	12,0	50	30,0	6000	64	62	55	45,0	(R)EI120	IV	-
381	205B75/WodaOgień+	C75+C75	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	6000	64	62	55	45,0	(R)EI120	IV	-
381	205B75/Twarda	C75+C75	Twarda	2x12,5	2x75	14,5	50	30,0	6000	67	66	62	57,0	(R)EI120	IV	●
381	205B75/Hydro	C75+C75	Hydro	2x12,5	2x50	12,0	50	50,0	6000	64	62	55	49,0	(R)EI120	IV	●
381	205B75/Cicha	C75+C75	Cicha	2x12,5	2x75	14,5	50	30,0	6000	69	67	57	57,0	(R)EI120	IV	-
383	205BB75/Expert [4]	2xC75+2xC75	Expert	2x12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI60	IV	-
383	205BB75/Expert	2xC75+2xC75	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
383	205BB75/Woda [3]	2xC75+2xC75	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
383	205BB75/Expert + Ogień+	2xC75+2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI90	IV	-
383	205BB75/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	49,0	(R)EI120	IV	-
383	205BB75/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	49,0	(R)EI120	IV	-
383	205BB75/Ogień+	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
383	205BB75/WodaOgień+	2xC75+2xC75	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
383	205BB75/Twarda	2xC75+2xC75	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●
383	205BB75/Hydro	2xC75+2xC75	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	52,0	(R)EI120	IV	●
383	205BB75/Cicha	2xC75+2xC75	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURES OF THE NIDA C100 PROFILES																
385	255B100/Expert [4] [6]	C100+C100	Expert	2x12,5	-	-	-	-	6500	51	48	45	38,0	(R)EI60	IV	-
385	255B100/Expert	C100+C100	Expert	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
385	255B100/Woda [3]	C100+C100	Woda	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
385	255B100/Expert + Ogień+	C100+C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	53	48	47	42,0	(R)EI90	IV	-
385	255B100/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	-	-	-	-	6500	55	53	49	46,0	(R)EI120	IV	-
385	255B100/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	2x100	10,0	50	10,0	6500	67	64	57	46,0	(R)EI120	IV	-
385	255B100/Ogień+	C100+C100	Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
385	255B100/WodaOgień+	C100+C100	Woda Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
385	255B100/Twarda	C100+C100	Twarda	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	●
385	255B100/Hydro	C100+C100	Hydro	2x12,5	2x100	12,0	50	50,0	6500	68	66	61	49,0	(R)EI120	IV	●
385	255B100/Cicha	C100+C100	Cicha	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	-
387	255BB100/Expert [4]	2xC100+2xC100	Expert	2x12,5	-	-	-	-	6500	-	-	-	42,0	(R)EI60	IV	-
387	255BB100/Expert	2xC100+2xC100	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
387	255BB100/Woda [3]	2xC100+2xC100	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
387	255BB100/Expert + Ogień+	2xC100+2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	46,0	(R)EI90	IV	-
387	255BB100/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	50,0	(R)EI120	IV	-
387	255BB100/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	50,0	(R)EI120	IV	-
387	255BB100/Ogień+	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
387	255BB100/WodaOgień+	2xC100+2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
387	255BB100/Twarda	2xC100+2xC100	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●
387	255BB100/Hydro	2xC100+2xC100	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	53,0	(R)EI120	IV	●
387	255BB100/Cicha	2xC100+2xC100	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	-

A detailed clarification of the footnotes are located with the individual systems.

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation [3]			Weight of encasement	Fire resistance class [2]	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES WITH INTERNAL STIFFENING BOARD (HYBRID WALLS – EXPERT/CICHA)																
389	168B50/Expert+Cicha typ A	C50+C50	Expert+Cicha typ A	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	56,0	(R)EI60	IV	●
389	168B50/Woda+Cicha typ A	C50+C50	Woda+Cicha typ A	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	56,0	(R)EI60	IV	●
389	218B75/Expert+Cicha typ A	C75+C75	Expert+Cicha typ A	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	57,0	(R)EI60	IV	●
389	218B75/Woda+Cicha typ A	C75+C75	Woda+Cicha typ A	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	57,0	(R)EI60	IV	●
389	268B100/Expert+Cicha typ A	C100+C100	Expert+Cicha typ A	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	58,0	(R)EI60	IV	●
389	268B100/Woda+Cicha typ A	C100+C100	Woda+Cicha typ A	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	58,0	(R)EI60	IV	●
389	168B50/Expert+Cicha	C50+C50	Expert+Cicha [3]	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	56,0	(R)EI90	IV	●
389	168B50/Woda+Cicha	C50+C50	Woda+Cicha [3]	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	56,0	(R)EI90	IV	●
389	218B75/Expert+Cicha	C75+C75	Expert+Cicha [3]	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	57,0	(R)EI90	IV	●
389	218B75/Woda+Cicha	C75+C75	Woda+Cicha [3]	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	57,0	(R)EI90	IV	●
389	268B100/Expert+Cicha	C100+C100	Expert+Cicha [3]	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	58,0	(R)EI90	IV	●
389	268B100/Woda+Cicha	C100+C100	Woda+Cicha [3]	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	58,0	(R)EI90	IV	●

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation [3]			Weight of encasement	Fire resistance class [2]	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES WITH INTERNAL STIFFENING BOARD																
391	168B50/Cicha typ A	C50+C50	Cicha typ A	2x12,5	2x50	14,5	-	-	4500	69	67	63	66,0	(R)EI60	IV	●
391	218B75/Cicha typ A	C75+C75	Cicha typ A	2x12,5	2x75	14,5	-	-	6000	69	67	63	67,0	(R)EI60	IV	●
391	268B100/Cicha typ A	C100+C100	Cicha typ A	2x12,5	2x100	14,5	-	-	6500	70	69	64	68,0	(R)EI60	IV	●
391	168B50/Cicha	C50+C50	Cicha [3]	2x12,5	2x50	14,5	-	-	4500	69	67	63	66,0	(R)EI120	IV	●
391	218B75/Cicha	C75+C75	Cicha [3]	2x12,5	2x75	14,5	-	-	6000	69	67	63	67,0	(R)EI120	IV	●
391	268B100/Cicha	C100+C100	Cicha [3]	2x12,5	2x100	14,5	-	-	6500	70	69	64	68,0	(R)EI120	IV	●

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (HYBRID WALLS – EXPERT/CICHA)																
393	155B50/Expert+Cicha typ A	C50+C50	Expert+Cicha typ A	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	49,0	(R)EI60	IV	●
393	155B50/Woda+Cicha typ A	C50+C50	Woda+Cicha typ A	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	49,0	(R)EI60	IV	●
393	205B75/Expert+Cicha typ A	C75+C75	Expert+Cicha typ A	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	50,0	(R)EI60	IV	●
393	205B75/Woda+Cicha typ A	C75+C75	Woda+Cicha typ A	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	50,0	(R)EI60	IV	●
393	255B100/Expert+Cicha typ A	C100+C100	Expert+Cicha typ A	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI60	IV	●
393	255B100/Woda+Cicha typ A	C100+C100	Woda+Cicha typ A	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI60	IV	●
393	155B50/Expert+Cicha	C50+C50	Expert + Cicha	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	49,0	(R)EI90	IV	●
393	155B50/Woda+Cicha [3]	C50+C50	Woda + Cicha	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	49,0	(R)EI90	IV	●
393	205B75/Expert+Cicha	C75+C75	Expert + Cicha	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	50,0	(R)EI90	IV	●
393	205B75/Woda+Cicha [3]	C75+C75	Woda + Cicha	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	50,0	(R)EI90	IV	●
393	255B100/Expert+Cicha	C100+C100	Expert + Cicha	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI90	IV	●
393	255B100/Woda+Cicha [3]	C100+C100	Woda + Cicha	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI90	IV	●

A detailed clarification of the footnotes are located with the individual systems.

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES																
395	155B50/Cicha typ A	C50+C50	Cicha typ A	2x12,5	2x50	14,5	-	-	4500	69	67	63	56,0	(R)EI60	IV	●
395	205B75/Cicha typ A	C75+C75	Cicha typ A	2x12,5	2x75	14,5	-	-	6000	69	67	63	57,0	(R)EI60	IV	●
395	255B100/Cicha typ A	C100+C100	Cicha typ A	2x12,5	2x100	14,5	-	-	6500	70	69	64	57,0	(R)EI60	IV	●
395	155B50/Cicha	C50+C50	Cicha [3]	2x12,5	2x50	14,5	-	-	4500	69	67	63	56,0	(R)EI120	IV	●
395	205B75/Cicha	C75+C75	Cicha [3]	2x12,5	2x75	14,5	-	-	6000	69	67	63	57,0	(R)EI120	IV	●
395	255B100/Cicha	C100+C100	Cicha [3]	2x12,5	2x100	14,5	-	-	6500	70	69	64	57,0	(R)EI120	IV	●

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (NIDA PWA)																
397	155B50-PWA/Expert+Cicha typ A	C50+C50	Expert+Cicha typ A	12,5+12,5	2x50	38,0	-	-	5500	64	62	56	49,0	(R)EI60	IV	●
397	155B50-PWA/Woda+Cicha typ A	C50+C50	Woda+Cicha typ A	12,5+12,5	2x50	38,0	-	-	5500	64	62	56	49,0	(R)EI60	IV	●
397	205B75-PWA/Expert+Cicha typ A	C75+C75	Expert+Cicha typ A	12,5+12,5	2x75	38,0	-	-	6200	66 [4]	63	56	50,0	(R)EI60	IV	●
397	205B75-PWA/Woda+Cicha typ A	C75+C75	Woda+Cicha typ A	12,5+12,5	2x75	38,0	-	-	6200	66 [4]	63	56	50,0	(R)EI60	IV	●
397	255B100-PWA/Expert+Cicha typ A	C100+C100	Expert+Cicha typ A	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI60	IV	●
397	255B100-PWA/Woda+Cicha typ A	C100+C100	Woda+Cicha typ A	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI60	IV	●
397	155B50-PWA/Expert+Cicha	C50+C50	Expert+Cicha typ A	12,5+12,5	2x50	38,0	-	-	5500	64	62	56	49,0	(R)EI90	IV	●
397	155B50-PWA/Woda+Cicha [3]	C50+C50	Woda + Cicha	12,5+12,5	2x50	38,0	-	-	5500	64	62	56	49,0	(R)EI90	IV	●
397	205B75-PWA/Expert+Cicha	C75+C75	Expert + Cicha	12,5+12,5	2x75	38,0	-	-	6200	66 [4]	63	56	50,0	(R)EI90	IV	●
397	205B75-PWA/Woda+Cicha [3]	C75+C75	Woda + Cicha	12,5+12,5	2x75	38,0	-	-	6200	66 [4]	63	56	50,0	(R)EI90	IV	●
397	255B100-PWA/Expert+Cicha	C100+C100	Expert + Cicha	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI90	IV	●
397	255B100-PWA/Woda+Cicha [3]	C100+C100	Woda + Cicha	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI90	IV	●
399	155B50-PWA/Cicha typ A	C50+C50	Cicha typ A	2x12,5	2x50	14,5	-	-	5500	69	67	63	56,0	(R)EI60	IV	●
399	205B75-PWA/Cicha typ A	C75+C75	Cicha typ A	2x12,5	2x75	14,5	-	-	6200	67	66	62	57,0	(R)EI60	IV	●
399	255B100-PWA/Cicha typ A	C100+C100	Cicha typ A	2x12,5	2x100	14,5	-	-	6500	70	69	64	57,0	(R)EI60	IV	●
399	155B50-PWA/Cicha	C50+C50	Cicha [3]	2x12,5	2x50	14,5	-	-	5500	69	67	63	56,0	(R)EI120	IV	●
399	205B75-PWA/Cicha	C75+C75	Cicha [3]	2x12,5	2x75	14,5	-	-	6200	67	66	62	57,0	(R)EI120	IV	●
399	255B100-PWA/Cicha	C100+C100	Cicha [3]	2x12,5	2x100	14,5	-	-	6500	70	69	64	57,0	(R)EI120	IV	●

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE AND DOUBLED STRUCTURES OF THE NIDA C50, C75, C100 PROFILES																
401	180B50/OgieńTypF	C50+C50	Ogień Typ F	3x12,5	2x50	13	50	10	4500	64	62	60	60,0	(R)EI120	IV	-
401	230B75/OgieńTypF	C75+C75	Ogień Typ F	3x12,5	2x50	13	50	10	6000	64	62	60	61,0	(R)EI120	IV	-
401	280B100/OgieńTypF	C100+C100	Ogień Typ F	3x12,5	2x100	12	50	10	6500	68	66	61	61,0	(R)EI120	IV	-
401	180BB50/OgieńTypF	2xC50+2xC50	Ogień Typ F	3x12,5	-	-	50	10	5500	-	-	-	63,0	(R)EI120	IV	-
401	230BB75/OgieńTypF	2xC75+2xC75	Ogień Typ F	3x12,5	-	-	50	10	6500	-	-	-	64,0	(R)EI120	IV	-
401	280BB100/OgieńTypF	2xC100+2xC100	Ogień Typ F	3x12,5	-	-	50	10	6500	-	-	-	65,0	(R)EI120	IV	-

A detailed clarification of the footnotes are located with the individual systems.

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C50 PROFILES (NIDA PWA)																
403	155B50-PWA/Expert [4] [6]	C50+C50	Expert	2x12,5	-	-	-	-	5500	49	44	40	37,0	(R)EI60	IV	-
403	155B50-PWA/Expert	C50+C50	Expert	2x12,5	2x50	14,5	50	10,0	5500	62	60	55	37,0	(R)EI60	IV	-
403	155B50-PWA/Woda [3]	C50+C50	Woda	2x12,5	2x50	14,5	50	10,0	5500	62	60	55	37,0	(R)EI60	IV	-
403	155B50-PWA/Expert + Ogień+	C50+C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	50	47	42	41,0	(R)EI90	IV	-
403	155B50-PWA/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	-	-	-	-	5500	53	50	44	45,0	(R)EI120	IV	-
403	155B50-PWA/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	2x50	10,0	50	10,0	5500	60	57	49	45,0	(R)EI120	IV	-
403	155B50-PWA/Ogień+	C50+C50	Ogień Plus	2x12,5	2x50	14,5	50	30,0	5500	63	60	55	45,0	(R)EI120	IV	-
403	155B50-PWA/WodaOgień+	C50+C50	Woda Ogień Plus	2x12,5	2x50	14,5	50	30,0	5500	63	60	55	45,0	(R)EI120	IV	-
403	155B50-PWA/Twarda	C50+C50	Twarda	2x12,5	2x50	14,5	50	30,0	5500	65	63	60	56,0	(R)EI120	IV	●
403	155B50-PWA/Hydro	C50+C50	Hydro	2x12,5	2x50	14,5	50	50,0	5500	63	60	55	48,0	(R)EI120	IV	●
403	155B50-PWA/Cicha	C50+C50	Cicha	2x12,5	2x50	14,5	50	30,0	5500	69	67	63	56,0	(R)EI120	IV	-
405	155BB50-PWA/Expert [4]	2xC50+2xC50	Expert	2x12,5	-	-	-	-	6330	-	-	-	39,0	(R)EI60	IV	-
405	155BB50-PWA/Expert	2xC50+2xC50	Expert	2x12,5	-	-	50	10,0	6330	-	-	-	39,0	(R)EI60	IV	-
405	155BB50-PWA/Woda [3]	2xC50+2xC50	Woda	2x12,5	-	-	50	10,0	6330	-	-	-	39,0	(R)EI60	IV	-
405	155BB50-PWA/Expert + Ogień+	2xC50+2xC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6330	-	-	-	43,0	(R)EI90	IV	-
405	155BB50-PWA/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	-	-	6330	-	-	-	47,0	(R)EI120	IV	-
405	155BB50-PWA/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	10,0	6330	-	-	-	47,0	(R)EI120	IV	-
405	155BB50-PWA/Ogień+	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	30,0	6330	-	-	-	47,0	(R)EI120	IV	-
405	155BB50-PWA/WodaOgień+	2xC50+2xC50	Woda Ogień Plus	2x12,5	-	-	50	30,0	6330	-	-	-	47,0	(R)EI120	IV	-
405	155BB50-PWA/Twarda	2xC50+2xC50	Twarda	2x12,5	-	-	50	30,0	6330	-	-	-	59,0	(R)EI120	IV	●
405	155BB50-PWA/Hydro	2xC50+2xC50	Hydro	2x12,5	-	-	50	50,0	6330	-	-	-	51,0	(R)EI120	IV	●
405	155BB50-PWA/Cicha	2xC50+2xC50	Cicha	2x12,5	-	-	50	30,0	6330	-	-	-	59,0	(R)EI120	IV	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C75 PROFILES (NIDA PWA)																
407	205B75-PWA/Expert [4] [6]	C75+C75	Expert	2x12,5	-	-	-	-	6200	50	47	43	37,0	(R)EI60	IV	-
407	205B75-PWA/Expert	C75+C75	Expert	2x12,5	2x50	12,0	50	10,0	6200	64	62	55	37,0	(R)EI60	IV	-
407	205B75-PWA/Woda [3]	C75+C75	Woda	2x12,5	2x50	12,0	50	10,0	6200	64	62	55	37,0	(R)EI60	IV	-
407	205B75-PWA/Expert + Ogień+	C75+C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6200	52	48	45	41,0	(R)EI90	IV	-
407	205B75-PWA/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	-	-	-	-	6200	54	52	47	45,0	(R)EI120	IV	-
407	205B75-PWA/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	2x50	10,0	50	10,0	6200	64	61	54	45,0	(R)EI120	IV	-
407	205B75-PWA/Ogień+	C75+C75	Ogień Plus	2x12,5	2x50	12,0	50	30,0	6200	64	62	55	45,0	(R)EI120	IV	-
407	205B75-PWA/WodaOgień+	C75+C75	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	6200	64	62	55	45,0	(R)EI120	IV	-
407	205B75-PWA/Twarda	C75+C75	Twarda	2x12,5	2x75	14,5	50	30,0	6200	67	66	62	57,0	(R)EI120	IV	●
407	205B75-PWA/Hydro	C75+C75	Hydro	2x12,5	2x50	12,0	50	50,0	6200	64	62	55	49,0	(R)EI120	IV	●
407	205B75-PWA/Cicha	C75+C75	Cicha	2x12,5	2x75	14,5	50	30,0	6200	67	66	62	57,0	(R)EI120	IV	-
409	205BB75-PWA/Expert [4]	2xC75+2xC75	Expert	2x12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI60	IV	-
409	205BB75-PWA/Expert	2xC75+2xC75	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
409	205BB75-PWA/Woda [3]	2xC75+2xC75	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
409	205BB75-PWA/Expert + Ogień+	2xC75+2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI90	IV	-
409	205BB75-PWA/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	49,0	(R)EI120	IV	-
409	205BB75-PWA/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	49,0	(R)EI120	IV	-
409	205BB75-PWA/Ogień+	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
409	205BB75-PWA/WodaOgień+	2xC75+2xC75	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
409	205BB75-PWA/Twarda	2xC75+2xC75	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●
409	205BB75-PWA/Hydro	2xC75+2xC75	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	52,0	(R)EI120	IV	●
409	205BB75-PWA/Cicha	2xC75+2xC75	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	-

A detailed clarification of the footnotes are located with the individual systems.

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Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C100 PROFILES (NIDA PWA)																
411	255B100-PWA/Expert [4] [6]	C100+C100	Expert	2x12,5	-	-	-	-	6500	51	48	45	38,0	(R)EI60	IV	-
411	255B100-PWA/Expert	C100+C100	Expert	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
411	255B100-PWA/Woda [3]	C100+C100	Woda	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
411	255B100-PWA/Expert + Ogień+	C100+C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	53	48	47	42,0	(R)EI90	IV	-
411	255B100-PWA/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	-	-	-	-	6500	55	53	49	46,0	(R)EI120	IV	-
411	255B100-PWA/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	2x100	10,0	50	10,0	6500	67	64	57	46,0	(R)EI120	IV	-
411	255B100-PWA/Ogień+	C100+C100	Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
411	255B100-PWA/WodaOgień+	C100+C100	Woda Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
411	255B100-PWA/Twarda	C100+C100	Twarda	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	●
411	255B100-PWA/Hydro	C100+C100	Hydro	2x12,5	2x100	12,0	50	50,0	6500	68	66	61	49,0	(R)EI120	IV	●
411	255B100-PWA/Cicha	C100+C100	Cicha	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	-
413	255BB100-PWA/Expert [4]	2xC100+2xC100	Expert	2x12,5	-	-	-	-	6500	-	-	-	42,0	(R)EI60	IV	-
413	255BB100-PWA/Expert	2xC100+2xC100	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
413	255BB100-PWA/Woda [3]	2xC100+2xC100	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
413	255BB100-PWA/Expert + Ogień+	2xC100+2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	46,0	(R)EI90	IV	-
413	255BB100-PWA/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	50,0	(R)EI120	IV	-
413	255BB100-PWA/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	50,0	(R)EI120	IV	-
413	255BB100-PWA/Ogień+	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
413	255BB100-PWA/WodaOgień+	2xC100+2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
413	255BB100-PWA/Twarda	2xC100+2xC100	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●
413	255BB100-PWA/Hydro	2xC100+2xC100	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	53,0	(R)EI120	IV	●
413	255BB100-PWA/Cicha	2xC100+2xC100	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (NIDA PWA)																
415	180B50-PWA/OgieńTypF	C50+C50	Ogień Typ F	3x12,5	2x50	13	50	10	5500	64	62	60	60,0	(R)EI120	IV	-
415	230B75-PWA/OgieńTypF	C75+C75	Ogień Typ F	3x12,5	2x50	13	50	10	6200	64	62	60	61,0	(R)EI120	IV	-
415	280B100-PWA/OgieńTypF	C100+C100	Ogień Typ F	3x12,5	2x100	12	50	10	6500	68	66	61	61,0	(R)EI120	IV	-
415	180BB50-PWA/OgieńTypF	2xC50+2xC50	Ogień Typ F	3x12,5	-	-	50	10	6330	-	-	-	63,0	(R)EI120	IV	-
415	230BB75-PWA/OgieńTypF	2xC75+2xC75	Ogień Typ F	3x12,5	-	-	50	10	6500	-	-	-	64,0	(R)EI120	IV	-
415	280BB100-PWA/OgieńTypF	2xC100+2xC100	Ogień Typ F	3x12,5	-	-	50	10	6500	-	-	-	65,0	(R)EI120	IV	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM WITH PARTIAL SHEATHING ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (NIDA LS)																
417	155B50/LS/Expert	C50+C50	Expert	2x12,5	2x50	10	-	-	4500	-	-	-	28,0	-	IV	-
417	205B75/LS/Expert	C75+C75	Expert	2x12,5	2x75	10	-	-	6000	-	-	-	29,0	-	IV	-
417	255B100/LS/Expert	C100+C100	Expert	2x12,5	2x100	10	-	-	6500	-	-	-	30,0	-	IV	-
417	155BB50/LS/Expert	2xC50+2xC50	Expert	2x12,5	2x50	10	-	-	5500	-	-	-	31,0	-	IV	-
417	205BB75/LS/Expert	2xC75+2xC75	Expert	2x12,5	2x75	10	-	-	6500	-	-	-	32,0	-	IV	-
417	255BB100/LS/Expert	2xC100+2xC100	Expert	2x12,5	2x100	10	-	-	7000	-	-	-	33,0	-	IV	-

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Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h[1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C50 PROFILES (DILATATION 10 MM)																
421	160D50/Expert [4] [6]	C50+C50	Expert	2x12,5	-	-	-	-	4500	49	44	40	37,0	(R)EI60	IV	-
421	160D50/Expert	C50+C50	Expert	2x12,5	2x50	14,5	50	10,0	4500	62	60	55	37,0	(R)EI60	IV	-
421	160D50/Woda [3]	C50+C50	Woda	2x12,5	2x50	14,5	50	10,0	4500	62	60	55	37,0	(R)EI60	IV	-
421	160D50/Expert + Ogień+	C50+C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4500	50	47	42	41,0	(R)EI90	IV	-
421	160D50/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	-	-	-	-	4500	53	50	44	45,0	(R)EI120	IV	-
421	160D50/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	2x50	10,0	50	10,0	4500	60	57	49	45,0	(R)EI120	IV	-
421	160D50/Ogień+	C50+C50	Ogień Plus	2x12,5	2x50	12,0	50	30,0	4500	62	60	55	45,0	(R)EI120	IV	-
421	160D50/WodaOgień+	C50+C50	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	4500	62	60	55	45,0	(R)EI120	IV	-
421	160D50/Twarda	C50+C50	Twarda	2x12,5	2x50	14,5	50	30,0	4500	65	63	60	56,0	(R)EI120	IV	●
421	160D50/Hydro	C50+C50	Hydro	2x12,5	2x50	12,0	50	50,0	4500	62	60	55	48,0	(R)EI120	IV	●
421	160D50/Cicha	C50+C50	Cicha	2x12,5	2x50	14,5	50	30,0	4500	69	67	63	56,0	(R)EI120	IV	-
423	160DD50/Expert [4]	2xC50+2xC50	Expert	2x12,5	-	-	-	-	5500	-	-	-	39,0	(R)EI60	IV	-
423	160DD50/Expert	2xC50+2xC50	Expert	2x12,5	-	-	50	10,0	5500	-	-	-	39,0	(R)EI60	IV	-
423	160DD50/Woda [3]	2xC50+2xC50	Woda	2x12,5	-	-	50	10,0	5500	-	-	-	39,0	(R)EI60	IV	-
423	160DD50/Expert + Ogień+	2xC50+2xC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	-	-	-	43,0	(R)EI90	IV	-
423	160DD50/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	-	-	5500	-	-	-	47,0	(R)EI120	IV	-
423	160DD50/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	10,0	5500	-	-	-	47,0	(R)EI120	IV	-
423	160DD50/Ogień+	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	47,0	(R)EI120	IV	-
423	160DD50/WodaOgień+	2xC50+2xC50	Woda Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	47,0	(R)EI120	IV	-
423	160DD50/Twarda	2xC50+2xC50	Twarda	2x12,5	-	-	50	30,0	5500	-	-	-	59,0	(R)EI120	IV	●
423	160DD50/Hydro	2xC50+2xC50	Hydro	2x12,5	-	-	50	50,0	5500	-	-	-	51,0	(R)EI120	IV	●
423	160DD50/Cicha	2xC50+2xC50	Cicha	2x12,5	-	-	50	30,0	5500	-	-	-	59,0	(R)EI120	IV	-

Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h[1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C75 PROFILES (DILATATION 10 MM) NIDA PWA																
425	210D75/Expert [4] [6]	C75+C75	Expert	2x12,5	-	-	-	-	6000	50	47	43	37,0	(R)EI60	IV	-
425	210D75/Expert	C75+C75	Expert	2x12,5	2x50	12,0	50	10,0	6000	64	62	55	37,0	(R)EI60	IV	-
425	210D75/Woda [3]	C75+C75	Woda	2x12,5	2x50	12,0	50	10,0	6000	64	62	55	37,0	(R)EI60	IV	-
425	210D75/Expert + Ogień+	C75+C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6000	52	48	45	41,0	(R)EI90	IV	-
425	210D75/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	-	-	-	-	6000	54	52	47	45,0	(R)EI120	IV	-
425	210D75/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	2x50	10,0	50	10,0	6000	64	61	54	45,0	(R)EI120	IV	-
425	210D75/Ogień+	C75+C75	Ogień Plus	2x12,5	2x50	12,0	50	30,0	6000	64	62	55	45,0	(R)EI120	IV	-
425	210D75/WodaOgień+	C75+C75	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	6000	64	62	55	45,0	(R)EI120	IV	-
425	210D75/Twarda	C75+C75	Twarda	2x12,5	2x75	14,5	50	30,0	6000	67	66	62	57,0	(R)EI120	IV	●
425	210D75/Hydro	C75+C75	Hydro	2x12,5	2x50	12,0	50	50,0	6000	64	62	55	49,0	(R)EI120	IV	●
425	210D75/Cicha	C75+C75	Cicha	2x12,5	2x75	14,5	50	30,0	6000	67	66	62	57,0	(R)EI120	IV	-
427	210DD75/Expert [4]	2xC75+2xC75	Expert	2x12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI60	IV	-
427	210DD75/Expert	2xC75+2xC75	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
427	210DD75/Woda [3]	2xC75+2xC75	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
427	210DD75/Expert + Ogień+	2xC75+2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI90	IV	-
427	210DD75/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	49,0	(R)EI120	IV	-
427	210DD75/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	49,0	(R)EI120	IV	-
427	210DD75/Ogień+	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
427	210DD75/WodaOgień+	2xC75+2xC75	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
427	210DD75/Twarda	2xC75+2xC75	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●
427	210DD75/Hydro	2xC75+2xC75	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	52,0	(R)EI120	IV	●
427	210DD75/Cicha	2xC75+2xC75	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	-

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Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h[1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C100 PROFILES (DILATATION 10 MM) NIDA PWA																
429	260D100/Expert [4] [6]	C100+C100	Expert	2x12,5	-	-	-	-	6500	51	48	45	38,0	(R)EI60	IV	-
429	260D100/Expert	C100+C100	Expert	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
429	260D100/Woda [3]	C100+C100	Woda	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
429	260D100/Expert + Ogień+	C100+C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	53	48	47	42,0	(R)EI90	IV	-
429	260D100/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	-	-	-	-	6500	55	53	49	46,0	(R)EI120	IV	-
429	260D100/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	2x100	10,0	50	10,0	6500	67	64	57	46,0	(R)EI120	IV	-
429	260D100/Ogień+	C100+C100	Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
429	260D100/WodaOgień+	C100+C100	Woda Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
429	260D100/Twarda	C100+C100	Twarda	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	●
429	260D100/Hydro	C100+C100	Hydro	2x12,5	2x100	12,0	50	50,0	6500	68	66	61	49,0	(R)EI120	IV	●
429	260D100/Cicha	C100+C100	Cicha	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	-
431	260DD100/Expert [4]	2xC100+2xC100	Expert	2x12,5	-	-	-	-	6500	-	-	-	42,0	(R)EI60	IV	-
431	260DD100/Expert	2xC100+2xC100	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
431	260DD100/Woda [3]	2xC100+2xC100	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
431	260DD100/Expert + Ogień+	2xC100+2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	46,0	(R)EI90	IV	-
431	260DD100/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	50,0	(R)EI120	IV	-
431	260DD100/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	50,0	(R)EI120	IV	-
431	260DD100/Ogień+	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
431	260DD100/WodaOgień+	2xC100+2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
431	260DD100/Twarda	2xC100+2xC100	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●
431	260DD100/Hydro	2xC100+2xC100	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	53,0	(R)EI120	IV	●
431	260DD100/Cicha	2xC100+2xC100	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	-

Page	System type Nida Ściana[2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h[1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (DILATATION 10 MM)																
433	185D50/OgieńTypF	C50+C50	Ogień Typ F	3x12,5	2x50	13	50	10	4500	64	62	60	60,0	(R)EI120	IV	-
433	235D75/OgieńTypF	C75+C75	Ogień Typ F	3x12,5	2x50	13	50	10	6000	64	62	60	61,0	(R)EI120	IV	-
433	285D100/OgieńTypF	C100+C100	Ogień Typ F	3x12,5	2x100	12	50	10	6500	68	66	61	61,0	(R)EI120	IV	-
433	185DD50/OgieńTypF	2xC50+2xC50	Ogień Typ F	3x12,5	-	-	50	10	5500	-	-	-	63,0	(R)EI120	IV	-
433	235DD75/OgieńTypF	2xC75+2xC75	Ogień Typ F	3x12,5	-	-	50	10	6500	-	-	-	64,0	(R)EI120	IV	-
433	285DD100/OgieńTypF	2xC100+2xC100	Ogień Typ F	3x12,5	-	-	50	10	6500	-	-	-	65,0	(R)EI120	IV	-

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Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C50 PROFILES (DILATATION 10 MM) NIDA PWA																
435	160D50-PWA/Expert [4] [6]	C50+C50	Expert	2x12,5	-	-	-	-	5500	49	44	40	37,0	(R)EI60	IV	-
435	160D50-PWA/Expert	C50+C50	Expert	2x12,5	2x50	14,5	50	10,0	5500	62	60	55	37,0	(R)EI60	IV	-
435	160D50-PWA/Woda [3]	C50+C50	Woda	2x12,5	2x50	14,5	50	10,0	5500	62	60	55	37,0	(R)EI60	IV	-
435	160D50-PWA/Expert + Ogień+	C50+C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	50	47	42	41,0	(R)EI90	IV	-
435	160D50-PWA/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	-	-	-	-	5500	53	50	44	45,0	(R)EI120	IV	-
435	160D50-PWA/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	2x50	10,0	50	10,0	5500	60	57	49	45,0	(R)EI120	IV	-
435	160D50-PWA/Ogień+	C50+C50	Ogień Plus	2x12,5	2x50	14,5	50	30,0	5500	63	60	55	45,0	(R)EI120	IV	-
435	160D50-PWA/WodaOgień+	C50+C50	Woda Ogień Plus	2x12,5	2x50	14,5	50	30,0	5500	63	60	55	45,0	(R)EI120	IV	-
435	160D50-PWA/Twarda	C50+C50	Twarda	2x12,5	2x50	14,5	50	30,0	5500	65	63	60	56,0	(R)EI120	IV	●
435	160D50-PWA/Hydro	C50+C50	Hydro	2x12,5	2x50	14,5	50	50,0	5500	63	60	55	48,0	(R)EI120	IV	●
435	160D50-PWA/Cicha	C50+C50	Cicha	2x12,5	2x50	14,5	50	30,0	5500	69	67	63	56,0	(R)EI120	IV	-
437	160DD50-PWA/Expert [4]	2xC50+2xC50	Expert	2x12,5	-	-	-	-	6390	-	-	-	39,0	(R)EI60	IV	-
437	160DD50-PWA/Expert	2xC50+2xC50	Expert	2x12,5	-	-	50	10,0	6390	-	-	-	39,0	(R)EI60	IV	-
437	160DD50-PWA/Woda [3]	2xC50+2xC50	Woda	2x12,5	-	-	50	10,0	6390	-	-	-	39,0	(R)EI60	IV	-
437	160DD50-PWA/Expert + Ogień+	2xC50+2xC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6390	-	-	-	43,0	(R)EI90	IV	-
437	160DD50-PWA/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	-	-	6390	-	-	-	47,0	(R)EI120	IV	-
437	160DD50-PWA/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	10,0	6390	-	-	-	47,0	(R)EI120	IV	-
437	160DD50-PWA/Ogień+	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	30,0	6390	-	-	-	47,0	(R)EI120	IV	-
437	160DD50-PWA/WodaOgień+	2xC50+2xC50	Woda Ogień Plus	2x12,5	-	-	50	30,0	6390	-	-	-	47,0	(R)EI120	IV	-
437	160DD50-PWA/Twarda	2xC50+2xC50	Twarda	2x12,5	-	-	50	30,0	6390	-	-	-	59,0	(R)EI120	IV	●
437	160DD50-PWA/Hydro	2xC50+2xC50	Hydro	2x12,5	-	-	50	50,0	6390	-	-	-	51,0	(R)EI120	IV	●
437	160DD50-PWA/Cicha	2xC50+2xC50	Cicha	2x12,5	-	-	50	30,0	6390	-	-	-	59,0	(R)EI120	IV	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURES OF THE NIDA C75 PROFILES (DILATATION 10 MM) NIDA PWA																
439	210D75-PWA/Expert [4] [6]	C75+C75	Expert	2x12,5	-	-	-	-	6260	50	47	43	37,0	(R)EI60	IV	-
439	210D75-PWA/Expert	C75+C75	Expert	2x12,5	2x50	12	50	10	6260	64	62	55	37,0	(R)EI60	IV	-
439	210D75-PWA/Woda [3]	C75+C75	Woda	2x12,5	2x50	12	50	10	6260	64	62	55	37,0	(R)EI60	IV	-
439	210D75-PWA/Expert + Ogień+	C75+C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6260	52	48	45	41,0	(R)EI90	IV	-
439	210D75-PWA/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	-	-	-	-	6260	54	52	47	45,0	(R)EI120	IV	-
439	210D75-PWA/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	2x75	10	50	10	6260	64	61	54	45,0	(R)EI120	IV	-
439	210D75-PWA/Ogień+	C75+C75	Ogień Plus	2x12,5	2x50	12	50	30	6260	64	62	55	45,0	(R)EI120	IV	-
439	210D75-PWA/WodaOgień+	C75+C75	Woda Ogień Plus	2x12,5	2x50	12	50	30	6260	64	62	55	45,0	(R)EI120	IV	-
439	210D75-PWA/Twarda	C75+C75	Twarda	2x12,5	2x75	14,5	50	30	6260	67	66	62	57,0	(R)EI120	IV	●
439	210D75-PWA/Hydro	C75+C75	Hydro	2x12,5	2x50	12	50	50	6260	64	62	55	49,0	(R)EI120	IV	●
439	210D75-PWA/Cicha	C75+C75	Cicha	2x12,5	2x75	14,5	50	30	6260	67	66	62	57,0	(R)EI120	IV	-
441	210DD75-PWA/Expert [4]	2xC75+2xC75	Expert	2x12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI60	IV	-
441	210DD75-PWA/Expert	2xC75+2xC75	Expert	2x12,5	-	-	50	10	6500	-	-	-	41,0	(R)EI60	IV	-
441	210DD75-PWA/Woda [3]	2xC75+2xC75	Woda	2x12,5	-	-	50	10	6500	-	-	-	41,0	(R)EI60	IV	-
441	210DD75-PWA/Expert + Ogień+	2xC75+2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI90	IV	-
441	210DD75-PWA/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	49,0	(R)EI120	IV	-
441	210DD75-PWA/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	10	6500	-	-	-	49,0	(R)EI120	IV	-
441	210DD75-PWA/Ogień+	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	30	6500	-	-	-	49,0	(R)EI120	IV	-
441	210DD75-PWA/WodaOgień+	2xC75+2xC75	Woda Ogień Plus	2x12,5	-	-	50	30	6500	-	-	-	49,0	(R)EI120	IV	-
441	210DD75-PWA/Twarda	2xC75+2xC75	Twarda	2x12,5	-	-	50	30	6500	-	-	-	60,0	(R)EI120	IV	●
441	210DD75-PWA/Hydro	2xC75+2xC75	Hydro	2x12,5	-	-	50	50	6500	-	-	-	52,0	(R)EI120	IV	●
441	210DD75-PWA/Cicha	2xC75+2xC75	Cicha	2x12,5	-	-	50	30	6500	-	-	-	60,0	(R)EI120	IV	-

A detailed clarification of the footnotes are located with the individual systems.

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Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURES OF THE NIDA C100 PROFILES (DILATATION 10 MM) NIDA PWA																
443	260D100-PWA/Expert [4] [6]	C100+C100	Expert	2x12,5	-	-	-	-	6500	51	48	45	38,0	(R)EI60	IV	-
443	260D100-PWA/Expert	C100+C100	Expert	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
443	260D100-PWA/Woda [3]	C100+C100	Woda	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
443	260D100-PWA/Expert + Ogień+	C100+C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	53	48	47	42,0	(R)EI90	IV	-
443	260D100-PWA/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	-	-	-	-	6500	55	53	49	46,0	(R)EI120	IV	-
443	260D100-PWA/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	2x100	10,0	50	10,0	6500	67	64	57	46,0	(R)EI120	IV	-
443	260D100-PWA/Ogień+	C100+C100	Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
443	260D100-PWA/WodaOgień+	C100+C100	Woda Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
443	260D100-PWA/Twarda	C100+C100	Twarda	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	●
443	260D100-PWA/Hydro	C100+C100	Hydro	2x12,5	2x100	12,0	50	50,0	6500	68	66	61	49,0	(R)EI120	IV	●
443	260D100-PWA/Cicha	C100+C100	Cicha	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	-
445	260DD100-PWA/Expert [4]	2xC100+2xC100	Expert	2x12,5	-	-	-	-	6500	-	-	-	42,0	(R)EI60	IV	-
445	260DD100-PWA/Expert	2xC100+2xC100	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
445	260DD100-PWA/Woda [3]	2xC100+2xC100	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
445	260DD100-PWA/Expert + Ogień+	2xC100+2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	46,0	(R)EI90	IV	-
445	260DD100-PWA/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	50,0	(R)EI120	IV	-
445	260DD100-PWA/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	50,0	(R)EI120	IV	-
445	260DD100-PWA/Ogień+	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
445	260DD100-PWA/WodaOgień+	2xC100+2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
445	260DD100-PWA/Twarda	2xC100+2xC100	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●
445	260DD100-PWA/Hydro	2xC100+2xC100	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	53,0	(R)EI120	IV	●
445	260DD100-PWA/Cicha	2xC100+2xC100	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (DILATATION 10 MM) NIDA PWA																
447	185D50-PWA/OgieńTypF	C50+C50	Ogień Typ F	3x12,5	2x50	13	50	10	5500	64	62	60	60,0	(R)EI120	IV	-
447	235D75-PWA/OgieńTypF	C75+C75	Ogień Typ F	3x12,5	2x50	13	50	10	6260	64	62	60	61,0	(R)EI120	IV	-
447	285D100-PWA/OgieńTypF	C100+C100	Ogień Typ F	3x12,5	2x100	12	50	10	6500	68	66	61	61,0	(R)EI120	IV	-
447	185DD50-PWA/OgieńTypF	2xC50+2xC50	Ogień Typ F	3x12,5	-	-	50	10	6390	-	-	-	63,0	(R)EI120	IV	-
447	235DD75-PWA/OgieńTypF	2xC75+2xC75	Ogień Typ F	3x12,5	-	-	50	10	6500	-	-	-	64,0	(R)EI120	IV	-
447	285DD100-PWA/OgieńTypF	2xC100+2xC100	Ogień Typ F	3x12,5	-	-	50	10	6500	-	-	-	65,0	(R)EI120	IV	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM WITH PARTIAL SHEATHING ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (DILATATION 10 MM) NIDA LS																
449	160D50/LS/Expert	C50+C50	Expert	2x12,5	2x50	10	-	-	4500	-	-	-	28,0	-	IV	-
449	210D75/LS/Expert	C75+C75	Expert	2x12,5	2x75	10	-	-	6000	-	-	-	29,0	-	IV	-
449	260D100/LS/Expert	C100+C100	Expert	2x12,5	2x100	10	-	-	6500	-	-	-	30,0	-	IV	-
449	160DD50/LS/Expert	2xC50+2xC50	Expert	2x12,5	2x50	10	-	-	5500	-	-	-	31,0	-	IV	-
449	210DD75/LS/Expert	2xC75+2xC75	Expert	2x12,5	2x75	10	-	-	6500	-	-	-	32,0	-	IV	-
449	260DD100/LS/Expert	2xC100+2xC100	Expert	2x12,5	2x100	10	-	-	7000	-	-	-	33,0	-	IV	-

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Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C50 PROFILES (INSTALLATION WALLS)																
453	150C50/Expert [4] [6]	C50+C50	Expert	2x12,5	-	-	-	-	4500	47	44	38	37,0	(R)EI60	IV	-
453	150C50/Expert	C50+C50	Expert	2x12,5	2x50	12,0	50	10,0	4500	59	57	51	37,0	(R)EI60	IV	-
453	150C50/Woda [3]	C50+C50	Woda	2x12,5	2x50	12,0	50	10,0	4500	59	57	51	37,0	(R)EI60	IV	-
453	150C50/Expert + Ogień+	C50+C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4500	49	45	40	41,0	(R)EI90	IV	-
453	150C50/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	-	-	-	-	4500	50	48	42	45,0	(R)EI120	IV	-
453	150C50/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	2x50	10,0	50	10,0	4500	56	53	47	45,0	(R)EI120	IV	-
453	150C50/Ogień+	C50+C50	Ogień Plus	2x12,5	2x50	12,0	50	30,0	4500	60	58	54	45,0	(R)EI120	IV	-
453	150C50/WodaOgień+	C50+C50	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	4500	60	58	54	45,0	(R)EI120	IV	-
453	150C50/Twarda	C50+C50	Twarda	2x12,5	2x50	12,0	50	30,0	4500	60	58	54	56,0	(R)EI120	IV	●
453	150C50/Hydro	C50+C50	Hydro	2x12,5	2x50	12,0	50	50,0	4500	60	58	54	48,0	(R)EI120	IV	●
453	150C50/Cicha	C50+C50	Cicha	2x12,5	2x50	12,0	50	30,0	4500	60	58	54	56,0	(R)EI120	IV	-
455	150CC50/Expert [4]	2xC50+2xC50	Expert	2x12,5	-	-	-	-	4750	-	-	-	39,0	(R)EI60	IV	-
455	150CC50/Expert	2xC50+2xC50	Expert	2x12,5	-	-	50	10,0	4750	-	-	-	39,0	(R)EI60	IV	-
455	150CC50/Woda [3]	2xC50+2xC50	Woda	2x12,5	-	-	50	10,0	4750	-	-	-	39,0	(R)EI60	IV	-
455	150CC50/Expert + Ogień+	2xC50+2xC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4750	-	-	-	43,0	(R)EI90	IV	-
455	150CC50/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	-	-	4750	-	-	-	47,0	(R)EI120	IV	-
455	150CC50/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	10,0	4750	-	-	-	47,0	(R)EI120	IV	-
455	150CC50/Ogień+	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	30,0	4750	-	-	-	47,0	(R)EI120	IV	-
455	150CC50/WodaOgień+	2xC50+2xC50	Woda Ogień Plus	2x12,5	-	-	50	30,0	4750	-	-	-	47,0	(R)EI120	IV	-
455	150CC50/Twarda	2xC50+2xC50	Twarda	2x12,5	-	-	50	30,0	4750	-	-	-	59,0	(R)EI120	IV	●
455	150CC50/Hydro	2xC50+2xC50	Hydro	2x12,5	-	-	50	50,0	4750	-	-	-	51,0	(R)EI120	IV	●
455	150CC50/Cicha	2xC50+2xC50	Cicha	2x12,5	-	-	50	30,0	4750	-	-	-	59,0	(R)EI120	IV	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C75 PROFILES (INSTALLATION WALLS)																
457	200C75/Expert [4] [6]	C75+C75	Expert	2x12,5	-	-	-	-	6000	49	46	41	37,0	(R)EI60	IV	-
457	200C75/Expert	C75+C75	Expert	2x12,5	2x50	12,0	50	10,0	6000	61	59	54	37,0	(R)EI60	IV	-
457	200C75/Woda [3]	C75+C75	Woda	2x12,5	2x50	12,0	50	10,0	6000	61	59	54	37,0	(R)EI60	IV	-
457	200C75/Expert + Ogień+	C75+C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6000	50	47	43	41,0	(R)EI90	IV	-
457	200C75/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	-	-	-	-	6000	52	50	45	45,0	(R)EI120	IV	-
457	200C75/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	2x50	10,0	50	10,0	6000	58	55	50	45,0	(R)EI120	IV	-
457	200C75/Ogień+	C75+C75	Ogień Plus	2x12,5	2x50	12,0	50	30,0	6000	62	60	57	45,0	(R)EI120	IV	-
457	200C75/WodaOgień+	C75+C75	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	6000	62	60	57	45,0	(R)EI120	IV	-
457	200C75/Twarda	C75+C75	Twarda	2x12,5	2x50	12,0	50	30,0	6000	62	60	57	57,0	(R)EI120	IV	●
457	200C75/Hydro	C75+C75	Hydro	2x12,5	2x50	12,0	50	50,0	6000	62	60	57	49,0	(R)EI120	IV	●
457	200C75/Cicha	C75+C75	Cicha	2x12,5	2x50	12,0	50	30,0	6000	62	60	57	57,0	(R)EI120	IV	-
459	200CC75/Expert [4]	2xC75+2xC75	Expert	2x12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI60	IV	-
459	200CC75/Expert	2xC75+2xC75	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
459	200CC75/Woda [3]	2xC75+2xC75	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
459	200CC75/Expert + Ogień+	2xC75+2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI90	IV	-
459	200CC75/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	49,0	(R)EI120	IV	-
459	200CC75/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	49,0	(R)EI120	IV	-
459	200CC75/Ogień+	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
459	200CC75/WodaOgień+	2xC75+2xC75	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
459	200CC75/Twarda	2xC75+2xC75	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●
459	200CC75/Hydro	2xC75+2xC75	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	52,0	(R)EI120	IV	●
459	200CC75/Cicha	2xC75+2xC75	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	-

A detailed clarification of the footnotes are located with the individual systems.

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C100 PROFILES (INSTALLATION WALLS)																
461	250C100/Expert [4] [6]	C100+C100	Expert	2x12,5	-	-	-	-	6500	49	46	43	38,0	(R)EI60	IV	-
461	250C100/Expert	C100+C100	Expert	2x12,5	2x50	12,0	50	10,0	6500	61	59	54	38,0	(R)EI60	IV	-
461	250C100/Woda [3]	C100+C100	Woda	2x12,5	2x50	12,0	50	10,0	6500	61	59	54	38,0	(R)EI60	IV	-
461	250C100/Expert + Ogień+	C100+C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	51	47	44	42,0	(R)EI90	IV	-
461	250C100/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	-	-	-	-	6500	53	51	46	46,0	(R)EI120	IV	-
461	250C100/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	2x50	10,0	50	10,0	6500	59	56	52	46,0	(R)EI120	IV	-
461	250C100/Ogień+	C100+C100	Ogień Plus	2x12,5	2x50	12,0	50	30,0	6500	62	60	57	46,0	(R)EI120	IV	-
461	250C100/WodaOgień+	C100+C100	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	6500	62	60	57	46,0	(R)EI120	IV	-
461	250C100/Twarda	C100+C100	Twarda	2x12,5	2x50	12,0	50	30,0	6500	62	60	57	57,0	(R)EI120	IV	●
461	250C100/Hydro	C100+C100	Hydro	2x12,5	2x50	12,0	50	50,0	6500	62	60	57	49,0	(R)EI120	IV	●
461	250C100/Cicha	C100+C100	Cicha	2x12,5	2x50	12,0	50	30,0	6500	62	60	57	57,0	(R)EI120	IV	-
463	250CC100/Expert [4]	2xC100+2xC100	Expert	2x12,5	-	-	-	-	6500	-	-	-	42,0	(R)EI60	IV	-
463	250CC100/Expert	2xC100+2xC100	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
463	250CC100/Woda [3]	2xC100+2xC100	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
463	250CC100/Expert + Ogień+	2xC100+2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	46,0	(R)EI90	IV	-
463	250CC100/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	50,0	(R)EI120	IV	-
463	250CC100/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	50,0	(R)EI120	IV	-
463	250CC100/Ogień+	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
463	250CC100/WodaOgień+	2xC100+2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
463	250CC100/Twarda	2xC100+2xC100	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●
463	250CC100/Hydro	2xC100+2xC100	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	53,0	(R)EI120	IV	●
463	250CC100/Cicha	2xC100+2xC100	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (INSTALLATION WALLS)																
465	175C50/OgieńTypF	C50+C50	Ogień Typ F	3x12,5	2x50	12	50	10	4500	60	58	54	60,0	(R)EI120	IV	-
465	225C75/OgieńTypF	C75+C75	Ogień Typ F	3x12,5	2x50	12	50	10	6000	62	60	57	61,0	(R)EI120	IV	-
465	275C100/OgieńTypF	C100+C100	Ogień Typ F	3x12,5	2x50	12	50	10	6500	62	60	57	61,0	(R)EI120	IV	-
465	175CC50/OgieńTypF	2xC50+2xC50	Ogień Typ F	3x12,5	-	-	50	10	4750	-	-	-	63,0	(R)EI120	IV	-
465	225CC75/OgieńTypF	2xC75+2xC75	Ogień Typ F	3x12,5	-	-	50	10	6500	-	-	-	64,0	(R)EI120	IV	-
465	275CC100/OgieńTypF	2xC100+2xC100	Ogień Typ F	3x12,5	-	-	50	10	6500	-	-	-	65,0	(R)EI120	IV	-

A detailed clarification of the footnotes are located with the individual systems.

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM WITH PARTIAL SHEATHING ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (INSTALLATION WALLS - NIDA LS)																
467	150C50/LS/Expert	C50+C50	Expert	2x12,5	2x50	10	-	-	4500	-	-	-	28,0	-	IV	-
467	200C75/LS/Expert	C75+C75	Expert	2x12,5	2x75	10	-	-	6000	-	-	-	29,0	-	IV	-
467	250C100/LS/Expert	C100+C100	Expert	2x12,5	2x100	10	-	-	6500	-	-	-	30,0	-	IV	-
467	150CC50/LS/Expert	2xC50+2xC50	Expert	2x12,5	2x50	10	-	-	4750	-	-	-	31,0	-	IV	-
467	200CC75/LS/Expert	2xC75+2xC75	Expert	2x12,5	2x75	10	-	-	6500	-	-	-	32,0	-	IV	-
467	250CC100/LS/Expert	2xC100+2xC100	Expert	2x12,5	2x100	10	-	-	7000	-	-	-	33,0	-	IV	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50 PROFILES (STRUCTURE ARRANGEMENT WITH 25 MM OFFSET)																
471	S125/2/Expert [4] [6]	C50	Expert	2x12,5	-	-	-	-	3000	46	43	36	37,0	(R)EI60	III	-
471	S125/2/Expert	C50	Expert	2x12,5	50	12,0	50	10,0	3000	58	55	50	37,0	(R)EI60	III	-
471	S125/2/Woda [3]	C50	Woda	2x12,5	50	12,0	50	10,0	3000	58	55	50	37,0	(R)EI60	III	-
471	S125/2/Expert + Ogień+	C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	3000	48	45	39	41,0	(R)EI90	III	-
471	S125/2/Ogień+ [5] [6]	C50	Ogień Plus	2x12,5	-	-	-	-	3000	51	48	41	45,0	(R)EI120	III	-
471	S125/2/Ogień+ [5] [6]	C50	Ogień Plus	2x12,5	50	10,0	50	10,0	3000	56	52	45	45,0	(R)EI120	III	-
471	S125/2/Ogień+	C50	Ogień Plus	2x12,5	50	12,0	50	30,0	3000	59	56	53	45,0	(R)EI120	III	-
471	S125/2/WodaOgień+	C50	Woda Ogień Plus	2x12,5	50	12,0	50	30,0	3000	59	56	53	45,0	(R)EI120	III	-
471	S125/2/Twarda	C50	Twarda	2x12,5	50	12,0	50	30,0	3000	59	56	53	56,0	(R)EI120	III	●
471	S125/2/Hydro	C50	Hydro	2x12,5	50	12,0	50	50,0	3000	59	56	53	48,0	(R)EI120	III	●
471	S125/2/Cicha	C50	Cicha	2x12,5	50	12,0	50	30,0	3000	59	56	53	56,0	(R)EI120	III	-
473	SS125/2/Expert [4]	2xC50	Expert	2x12,5	-	-	-	-	3500	-	-	-	39,0	(R)EI60	III	-
473	SS125/2/Expert	2xC50	Expert	2x12,5	-	-	50	10,0	3500	-	-	-	39,0	(R)EI60	III	-
473	SS125/2/Woda [3]	2xC50	Woda	2x12,5	-	-	50	10,0	3500	-	-	-	39,0	(R)EI60	III	-
473	SS125/2/Expert + Ogień+	2xC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	3500	-	-	-	43,0	(R)EI90	III	-
473	SS125/2/Ogień+ [5]	2xC50	Ogień Plus	2x12,5	-	-	-	-	3500	-	-	-	47,0	(R)EI120	III	-
473	SS125/2/Ogień+ [5]	2xC50	Ogień Plus	2x12,5	-	-	50	10,0	3500	-	-	-	47,0	(R)EI120	III	-
473	SS125/2/Ogień+	2xC50	Ogień Plus	2x12,5	-	-	50	30,0	3500	-	-	-	47,0	(R)EI120	III	-
473	SS125/2/WodaOgień+	2xC50	Woda Ogień Plus	2x12,5	-	-	50	30,0	3500	-	-	-	47,0	(R)EI120	III	-
473	SS125/2/Twarda	2xC50	Twarda	2x12,5	-	-	50	30,0	3500	-	-	-	58,0	(R)EI120	III	●
473	SS125/2/Hydro	2xC50	Hydro	2x12,5	-	-	50	50,0	3500	-	-	-	50,0	(R)EI120	III	●
473	SS125/2/Cicha	2xC50	Cicha	2x12,5	-	-	50	30,0	3500	-	-	-	58,0	(R)EI120	III	-

A detailed clarification of the footnotes are located with the individual systems.

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C75 PROFILES (STRUCTURE ARRANGEMENT WITH 25 MM OFFSET)																
475	S150/2/Expert [4] [6]	C75	Expert	2x12,5	-	-	-	-	4100	48	45	39	37,0	(R)EI60	III	-
475	S150/2/Expert	C75	Expert	2x12,5	50	12,0	50	10,0	4100	58	55	50	37,0	(R)EI60	III	-
475	S150/2/Woda [3]	C75	Woda	2x12,5	50	12,0	50	10,0	4100	58	55	50	37,0	(R)EI60	III	-
475	S150/2/Expert + Ogień+	C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4100	50	46	42	41,0	(R)EI90	III	-
475	S150/2/Ogień+ [5] [6]	C75	Ogień Plus	2x12,5	-	-	-	-	4100	52	50	44	45,0	(R)EI120	III	-
475	S150/2/Ogień+ [5] [6]	C75	Ogień Plus	2x12,5	50	10,0	50	10,0	4100	58	55	48	45,0	(R)EI120	III	-
475	S150/2/Ogień+	C75	Ogień Plus	2x12,5	50	12,0	50	30,0	4100	59	56	53	45,0	(R)EI120	III	-
475	S150/2/WodaOgień+	C75	Woda Ogień Plus	2x12,5	50	12,0	50	30,0	4100	59	56	53	45,0	(R)EI120	III	-
475	S150/2/Twarda	C75	Twarda	2x12,5	50	12,0	50	30,0	4100	59	56	53	56,0	(R)EI120	III	●
475	S150/2/Hydro	C75	Hydro	2x12,5	50	12,0	50	50,0	4100	59	56	53	48,0	(R)EI120	III	●
475	S150/2/Cicha	C75	Cicha	2x12,5	50	12,0	50	30,0	4100	59	56	53	56,0	(R)EI120	III	-
477	SS150/2/Expert [4]	2xC75	Expert	2x12,5	-	-	-	-	5500	-	-	-	40,0	(R)EI60	III	-
477	SS150/2/Expert	2xC75	Expert	2x12,5	-	-	50	10,0	5500	-	-	-	40,0	(R)EI60	III	-
477	SS150/2/Woda [3]	2xC75	Woda	2x12,5	-	-	50	10,0	5500	-	-	-	40,0	(R)EI60	III	-
477	SS150/2/Expert + Ogień+	2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	-	-	-	44,0	(R)EI90	III	-
477	SS150/2/Ogień+ [5]	2xC75	Ogień Plus	2x12,5	-	-	-	-	5500	-	-	-	48,0	(R)EI120	III	-
477	SS150/2/Ogień+ [5]	2xC75	Ogień Plus	2x12,5	-	-	50	10,0	5500	-	-	-	48,0	(R)EI120	III	-
477	SS150/2/Ogień+	2xC75	Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	48,0	(R)EI120	III	-
477	SS150/2/WodaOgień+	2xC75	Woda Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	48,0	(R)EI120	III	-
477	SS150/2/Twarda	2xC75	Twarda	2x12,5	-	-	50	30,0	5500	-	-	-	59,0	(R)EI120	III	●
477	SS150/2/Hydro	2xC75	Hydro	2x12,5	-	-	50	50,0	5500	-	-	-	51,0	(R)EI120	III	●
477	SS150/2/Cicha	2xC75	Cicha	2x12,5	-	-	50	30,0	5500	-	-	-	59,0	(R)EI120	III	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]: Within the range of the fire resistance	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C100 PROFILES (STRUCTURE ARRANGEMENT WITH 25 MM OFFSET)																
479	S175/2/Expert [4] [6]	C100	Expert	2x12,5	-	-	-	-	4800	49	46	42	37,0	(R)EI60	III	-
479	S175/2/Expert	C100	Expert	2x12,5	50	12,0	50	10,0	4800	58	55	50	37,0	(R)EI60	III	-
479	S175/2/Woda [3]	C100	Woda	2x12,5	50	12,0	50	10,0	4800	58	55	50	37,0	(R)EI60	III	-
479	S175/2/Expert + Ogień+	C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4800	51	47	44	41,0	(R)EI90	III	-
479	S175/2/Ogień+ [5] [6]	C100	Ogień Plus	2x12,5	-	-	-	-	4800	53	51	46	45,0	(R)EI120	III	-
479	S175/2/Ogień+ [5] [6]	C100	Ogień Plus	2x12,5	75	10,0	50	10,0	4800	59	57	51	45,0	(R)EI120	III	-
479	S175/2/Ogień+	C100	Ogień Plus	2x12,5	50	12,0	50	30,0	4800	59	56	53	45,0	(R)EI120	III	-
479	S175/2/WodaOgień+	C100	Woda Ogień Plus	2x12,5	50	12,0	50	30,0	4800	59	56	53	45,0	(R)EI120	III	-
479	S175/2/Twarda	C100	Twarda	2x12,5	50	12,0	50	30,0	4800	59	56	53	57,0	(R)EI120	III	●
479	S175/2/Hydro	C100	Hydro	2x12,5	50	12,0	50	50,0	4800	59	56	53	49,0	(R)EI120	III	●
479	S175/2/Cicha	C100	Cicha	2x12,5	50	12,0	50	30,0	4800	59	56	53	57,0	(R)EI120	III	-
481	SS175/2/Expert [4]	2xC100	Expert	2x12,5	-	-	-	-	6400	-	-	-	41,0	(R)EI60	III	-
481	SS175/2/Expert	2xC100	Expert	2x12,5	-	-	50	10,0	6400	-	-	-	41,0	(R)EI60	III	-
481	SS175/2/Woda [3]	2xC100	Woda	2x12,5	-	-	50	10,0	6400	-	-	-	41,0	(R)EI60	III	-
481	SS175/2/Expert + Ogień+	2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6400	-	-	-	45,0	(R)EI90	III	-
481	SS175/2/Ogień+ [5]	2xC100	Ogień Plus	2x12,5	-	-	-	-	6400	-	-	-	49,0	(R)EI120	III	-
481	SS175/2/Ogień+ [5]	2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6400	-	-	-	49,0	(R)EI120	III	-
481	SS175/2/Ogień+	2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6400	-	-	-	49,0	(R)EI120	III	-
481	SS175/2/WodaOgień+	2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6400	-	-	-	49,0	(R)EI120	III	-
481	SS175/2/Twarda	2xC100	Twarda	2x12,5	-	-	50	30,0	6400	-	-	-	60,0	(R)EI120	III	●
481	SS175/2/Hydro	2xC100	Hydro	2x12,5	-	-	50	50,0	6400	-	-	-	52,0	(R)EI120	III	●
481	SS175/2/Cicha	2xC100	Cicha	2x12,5	-	-	50	30,0	6400	-	-	-	60,0	(R)EI120	III	-

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Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	Within the range of the fire resistance [mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (STRUCTURE ARRANGEMENT WITH 25 MM OFFSET)																
483	S150/3/OgieńTypF	C50	Ogień Typ F	3x12,5	50	12	50	10	3000	58	55	50	60,0	(R)EI120	III	-
483	S175/3/OgieńTypF	C75	Ogień Typ F	3x12,5	50	12	50	10	4100	58	55	50	60,0	(R)EI120	III	-
483	S200/3/OgieńTypF	C100	Ogień Typ F	3x12,5	50	12	50	10	4800	58	55	50	61,0	(R)EI120	III	-
483	SS150/3/OgieńTypF	2xC50	Ogień Typ F	3x12,5	-	-	50	10	3500	-	-	-	62,0	(R)EI120	III	-
483	SS175/3/OgieńTypF	2xC75	Ogień Typ F	3x12,5	-	-	50	10	5500	-	-	-	63,0	(R)EI120	III	-
483	SS200/3/OgieńTypF	2xC100	Ogień Typ F	3x12,5	-	-	50	10	6400	-	-	-	64,0	(R)EI120	III	-

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	Within the range of the fire resistance [mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM ON STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (ASYMMETRICAL ARRANGEMENT OF SHEATHING)																
485	87N50/Expert	C50	Expert	2x12,5/12,5	50	12,0	50	10,0	3250	42	38	31	27,0	(R)EI15	II	-
485	87N50/Woda [3]	C50	Woda	2x12,5/12,5	50	12,0	50	10,0	3250	42	38	31	29,0	(R)EI15	III	-
485	87N50/Ogień+	C50	Ogień Plus	2x12,5/12,5	50	12,0	50	30,0	3250	44	39	32	33,0	(R)EI60	III	-
485	87N50/WodaOgień+	C50	Woda Ogień Plus	2x12,5/12,5	50	12,0	50	30,0	3250	44	39	32	33,0	(R)EI60	III	-
485	87N50/Twarda	C50	Twarda	2x12,5/12,5	50	14,5	50	30,0	3250	50	43	35	41,0	(R)EI60	III	●
485	87N50/Hydro	C50	Hydro	2x12,5/12,5	50	12,0	50	50,0	3250	44	39	32	35,0	(R)EI60	III	●
485	87N50/Cicha	C50	Cicha	2x12,5/12,5	50	14,5	50	30,0	3250	51	46	39	41,0	(R)EI60	III	-
487	112N75/Expert	C75	Expert	2x12,5/12,5	75	14,5	50	10,0	4500	46	41	33	27,0	(R)EI15	III	-
487	112N75/Woda [3]	C75	Woda	2x12,5/12,5	75	14,5	50	10,0	4500	46	41	33	29,0	(R)EI15	III	-
487	112N75/Ogień+	C75	Ogień Plus	2x12,5/12,5	50	12,0	50	30,0	4500	47	44	37	33,0	(R)EI60	III	-
487	112N75/WodaOgień+	C75	Woda Ogień Plus	2x12,5/12,5	50	12,0	50	30,0	4500	47	44	37	33,0	(R)EI60	III	-
487	112N75/Twarda	C75	Twarda	2x12,5/12,5	75	14,5	50	30,0	4500	51	48	41	42,0	(R)EI60	III	●
487	112N75/Hydro	C75	Hydro	2x12,5/12,5	50	12,0	50	50,0	4500	47	44	37	36,0	(R)EI60	III	●
487	112N75/Cicha	C75	Cicha	2x12,5/12,5	75	14,5	50	30,0	4500	54	50	43	42,0	(R)EI60	III	-
489	137N100/Expert	C100	Expert	2x12,5/12,5	100	14,5	50	10,0	5000	50	47	39	27,0	(R)EI15	IV	-
489	137N100/Woda [3]	C100	Woda	2x12,5/12,5	100	14,5	50	10,0	5000	50	47	39	30,0	(R)EI15	IV	-
489	137N100/Ogień+	C100	Ogień Plus	2x12,5/12,5	100	12,0	50	30,0	5000	50	48	43	33,0	(R)EI60	IV	-
489	137N100/WodaOgień+	C100	Woda Ogień Plus	2x12,5/12,5	100	12,0	50	30,0	5000	50	48	43	33,0	(R)EI60	IV	-
489	137N100/Twarda	C100	Twarda	2x12,5/12,5	100	14,5	50	30,0	5000	54	51	43	42,0	(R)EI60	IV	●
489	137N100/Hydro	C100	Hydro	2x12,5/12,5	100	12,0	50	50,0	5000	50	48	43	36,0	(R)EI60	IV	●
489	137N100/Cicha	C100	Cicha	2x12,5/12,5	100	14,5	50	30,0	5000	56	53	47	42,0	(R)EI60	IV	-

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THE FIRST DRYWALL ENCASEMENT SYSTEM WITH THE CE MARKING AVAILABLE ON THE MARKET

Page	System type Nida Ściana [2]	Frame structure	Axial spacing between Nida profiles	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	[mm]	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	Within the range of the fire resistance [mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE HIGH PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C100 PROFILES (WALLS UP TO 11 M HIGH)																	
491	SW150-300/Ogień+	C100	300	Ogień Plus	2x12,5	100	14,5	- [3]	- [3]	9000	59	57	53	45,0	(R)EI60	IV	●
491	SW150-300/WodaOgień+	C100	300	Woda Ogień Plus	2x12,5	100	14,5	- [3]	- [3]	9000	59	57	53	45,0	(R)EI60	IV	●
491	SWSW150/Ogień+	2xC100	600	Ogień Plus	2x12,5	100	14,5	- [3]	- [3]	9000	59	57	53	45,0	(R)EI60	IV	●
491	SWSW150/WodaOgień+	2xC100	600	Woda Ogień Plus	2x12,5	100	14,5	- [3]	- [3]	9000	59	57	53	45,0	(R)EI60	IV	●
491	SWSW150-400/Ogień+	2xC100	400	Ogień Plus	2x12,5	-	-	- [3]	- [3]	10000	-	-	-	47,0	(R)EI60	IV	●
491	SWSW150-400/WodaOgień+	2xC100	400	Woda Ogień Plus	2x12,5	-	-	- [3]	- [3]	10000	-	-	-	47,0	(R)EI60	IV	●
493	SW175-300/Ogień+	C100	300	Ogień Plus	3x12,5	100	14,5	- [3]	- [3]	9000	59	57	53	66,0	(R)EI120	IV	●
493	SW175-300/WodaOgień+	C100	300	Woda Ogień Plus	3x12,5	100	14,5	- [3]	- [3]	9000	59	57	53	66,0	(R)EI120	IV	●
493	SWSW175/Ogień+	2xC100	600	Ogień Plus	3x12,5	100	14,5	- [3]	- [3]	9000	59	57	53	66,0	(R)EI120	IV	●
493	SWSW175/WodaOgień+	2xC100	600	Woda Ogień Plus	3x12,5	100	14,5	- [3]	- [3]	9000	59	57	53	66,0	(R)EI120	IV	●
493	SWSW175-400/Ogień+	2xC100	400	Ogień Plus	3x12,5	-	-	- [3]	- [3]	10000	-	-	-	68,0	(R)EI120	IV	●
493	SWSW175-400/WodaOgień+	2xC100	400	Woda Ogień Plus	3x12,5	-	-	- [3]	- [3]	10000	-	-	-	68,0	(R)EI120	IV	●
495	SW190-300/Ogień+	C100	300	Ogień Plus	3x15,0	-	-	- [3]	- [3]	10000	-	-	-	87,0	(R)EI120	IV	●
495	SWSW190/Ogień+	2xC100	600	Ogień Plus	3x15,0	50	45,0	- [3]	- [3]	10000	60	58	54	87,0	(R)EI120	IV	●
495	SWSW190-400/Ogień+	2xC100	400	Ogień Plus	3x15,0	-	-	- [3]	- [3]	11000	-	-	-	89,0	(R)EI120	IV	●

Page	System type Nida Ściana [2]	Frame structure	Axial spacing between Nida profiles	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Insulation material: In terms of fire resistance		Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
		Nida	[mm]	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	Within the range of the fire resistance [mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE HIGH PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C100 PROFILES (WALLS UP TO 11 M HIGH)																	
497	SW150-400/Twarda	C100	400	Twarda	2x12,5	-	-	50	50	8250	-	-	-	56,0	(R)EI120	IV	●
497	SW150-300/Twarda	C100	300	Twarda	2x12,5	-	-	50	50	9000	-	-	-	57,0	(R)EI120	IV	●
497	SWSW150/Twarda	2xC100	600	Twarda	2x12,5	100	14,5	50	50	9000	62	60	56	57,0	(R)EI120	IV	●
497	SWSW150-400/Twarda	2xC100	400	Twarda	2x12,5	-	-	50	50	10250	-	-	-	58,0	(R)EI120	IV	●
497	SWSW150-300/Twarda	2xC100	300	Twarda	2x12,5	-	-	50	50	11000	-	-	-	60,0	(R)EI120	IV	●

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material: In terms of acoustic insulation		Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]
THE PARTITION CURVED WALL SYSTEM ON A STRUCTURE OF THE NIDA C50, C75, C100 PROFILES												
501	75G50/Gięta	C50	Gięta	2x6,25	50	12	4000	46	41	34	27,0	-
501	100G75/Gięta	C75	Gięta	2x6,25	50	12	5250	46	41	34	28,0	-
501	125G100/Gięta	C100	Gięta	2x6,25	50	12	6450	46	41	34	29,0	-
501	87,5G50/Gięta	C50	Gięta	3x6,25	50	12	4000	50	44	36	38,0	-
501	112,5G75/Gięta	C75	Gięta	3x6,25	50	12	5250	50	44	36	39,0	-
501	137,5G100/Gięta	C100	Gięta	3x6,25	50	12	6450	50	44	36	40,0	-

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Page	System type Nida Ściana [2]	Frame structure	Axial spacing between Nida profiles	Sheathing of plasterboards		Insulation material		Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class [1]	Utilisation category	Special system
						Rockwool									
		Nida	[mm]	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC CINEMA PARTITION WALL SYSTEM BASED ON DOUBLE-ROW DOUBLED STRUCTURES OF THE NIDA C100 OR UA100 PROFILES (CINEMA WALLS)															
503	SLA/CC/Ogień+	2xC100	600	Ogień Plus	2x15,0+18,0 15,0+2x18,0	2x100	65	12000	80	77	70	93,0	REI120	IV	●
503	SLA/CC-400/Ogień+	2xC100	400	Ogień Plus	2x15,0+18,0 15,0+2x18,0	2x100	65	14000	80	77	70	96,0	REI120	IV	●
503	SLA/CC-300/Ogień+	2xC100	300	Ogień Plus	2x15,0+18,0 15,0+2x18,0	2x100	65	16000	80	77	70	100,0	REI120	IV	●
503	SLA/UAUA-400/Ogień+	2xUA100	400	Ogień Plus	2x15,0+18,0 15,0+2x18,0	2x100	65	19850	80	77	70	114,0	REI120	IV	●

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards			Insulation material				Maximum wall height - h [1]	Acoustic insulation [4]			Weight of encase-ment	Fire resistance class	Utilisation category	Special system
						In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida		Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50, C75, C100 PROFILES																	
505	70A50/Cementex	C50	Cementex	1x10,0	50	15	40	15	3250	45	41	33	31,0	(R)EI30 [2]	III	●
505	95A75/Cementex	C75	Cementex	1x10,0	75	15	40	15	4500	49	44	37	31,0	(R)EI30 [2]	III	●
505	120A100/Cementex	C100	Cementex	1x10,0	75	15	40	15	5000	51	47	40	32,0	(R)EI30 [2]	IV	●
505	99A75/Cementex	C75	Cementex	1x12,0	50	15	50	30	4500	51	47	40	37,0	(R)EI60 [3]	III	●
505	124A100/Cementex	C100	Cementex	1x12,0	100	15	50	30	5000	53	50	43	37,0	(R)EI60 [3]	IV	●

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards			Insulation material				Maximum wall height - h [1]	Acoustic insulation [4]			Weight of encase-ment	Fire resistance class	Utilisation category	Special system
						In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida		Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50, C75, C100 PROFILES																	
507	90A50/Cementex	C50	Cementex	2x10,0	50	15,0	50	30,0	4500	57	53	46	59,0	(R)EI120	IV	●
507	98A50/Cementex	C50	Cementex	2x12,0	50	15,0	50	30,0	4500	57	53	46	70,0	(R)EI120	IV	●
507	115A75/Cementex	C75	Cementex	2x10,0	75	15,0	50	30,0	5500	60	57	50	59,0	(R)EI120	IV	●
507	123A75/Cementex	C75	Cementex	2x12,0	75	15,0	50	30,0	5500	60	57	50	70,0	(R)EI120	IV	●
507	140A100/Cementex	C100	Cementex	2x10,0	75	15,0	50	30,0	6500	61	58	53	60,0	(R)EI120	IV	●
507	148A100/Cementex	C100	Cementex	2x12,0	75	15,0	50	30,0	6500	61	58	53	71,0	(R)EI120	IV	●

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Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards			Insulation material				Maximum wall height - h [1]	Acoustic insulation [3]			Weight of encase-ment	Fire resistance class [2]	Utilisation category	Special system
						In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida		Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (NIDA PWA)																	
509	145B50-PWA/Cementex	C50+C50	Cementex	2x10,0	2x50	15,0	50	30,0	5500	67	63	56	61,0	(R)EI120	IV	●
509	153B50-PWA/Cementex	C50+C50	Cementex	2x12,0	2x50	15,0	50	30,0	5500	67	63	56	72,0	(R)EI120	IV	●
509	195B75-PWA/Cementex	C75+C75	Cementex	2x10,0	2x75	15,0	50	30,0	6200	71	67	60	61,0	(R)EI120	IV	●
509	203B75-PWA/Cementex	C75+C75	Cementex	2x12,0	2x75	15,0	50	30,0	6200	71	67	60	72,0	(R)EI120	IV	●
509	245B100-PWA/Cementex	C100+C100	Cementex	2x10,0	2x100	15,0	50	30,0	6500	74	70	64	62,0	(R)EI120	IV	●
509	253B100-PWA/Cementex	C100+C100	Cementex	2x12,0	2x100	15,0	50	30,0	6500	74	70	64	73,0	(R)EI120	IV	●

Page	System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards			Insulation material				Maximum wall height - h [1]	Acoustic insulation [3]			Weight of encase-ment	Fire resistance class [2]	Utilisation category	Special system
						In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida		Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (INSTALLATION WALLS)																	
511	140C50/Cementex	C50+C50	Cementex	2x10,0	2x50	15,0	50	30,0	4500	61	59	53	61,0	(R)EI120	IV	●
511	148C50/Cementex	C50+C50	Cementex	2x12,0	2x50	15,0	50	30,0	4500	61	59	53	72,0	(R)EI120	IV	●
511	190C75/Cementex	C75+C75	Cementex	2x10,0	2x75	15,0	50	30,0	6000	63	60	56	61,0	(R)EI120	IV	●
511	198C75/Cementex	C75+C75	Cementex	2x12,0	2x75	15,0	50	30,0	6000	63	60	56	72,0	(R)EI120	IV	●
511	240C100/Cementex	C100+C100	Cementex	2x10,0	2x100	15,0	50	30,0	6500	63	61	58	62,0	(R)EI120	IV	●
511	248C100/Cementex	C100+C100	Cementex	2x12,0	2x100	15,0	50	30,0	6500	63	61	58	73,0	(R)EI120	IV	●

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nida Ściana

Fire resistance class: (R)EI20 (R)EI30 (R)EI45 (R)EI60

Maximum acoustic insulation: 51 dB

Maximum encasement height: 3250 mm

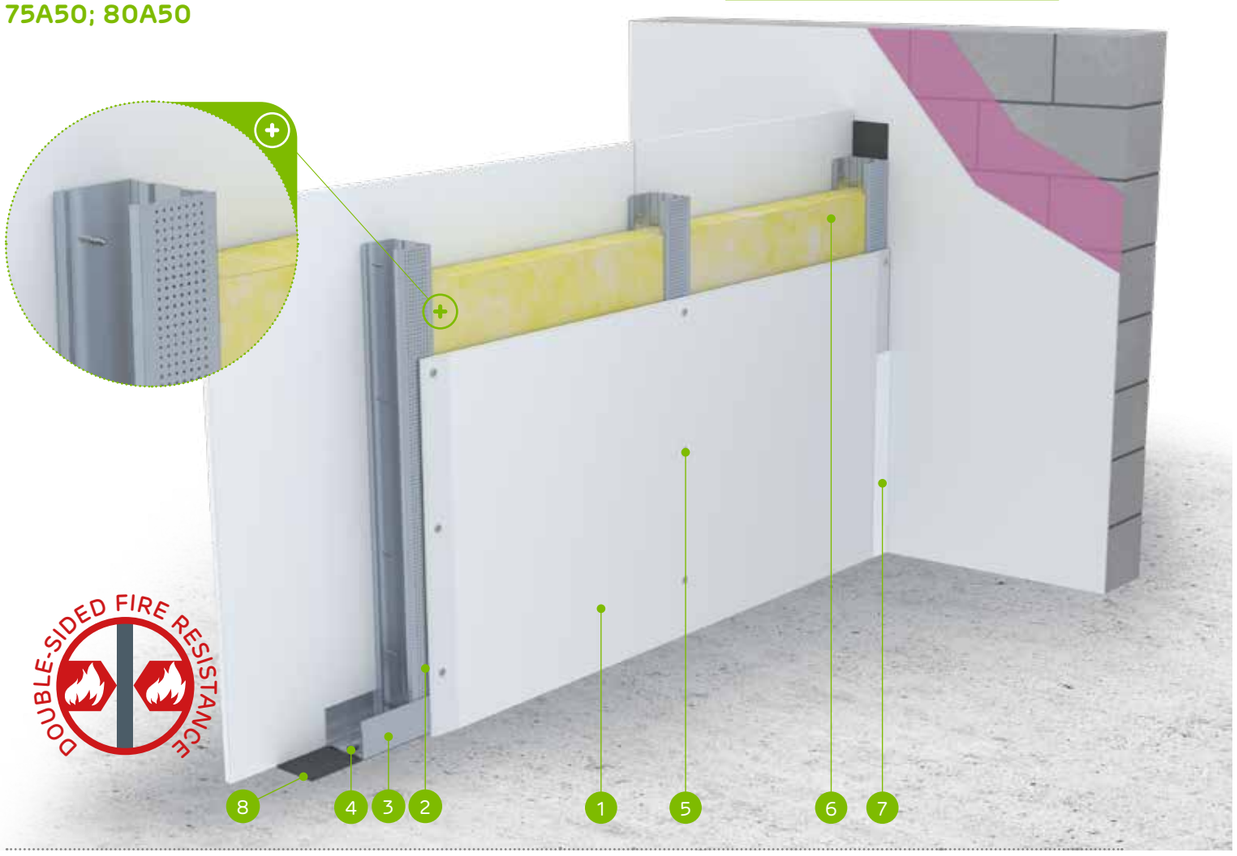
Weight of 1 m² of encasement: 19,0-30,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

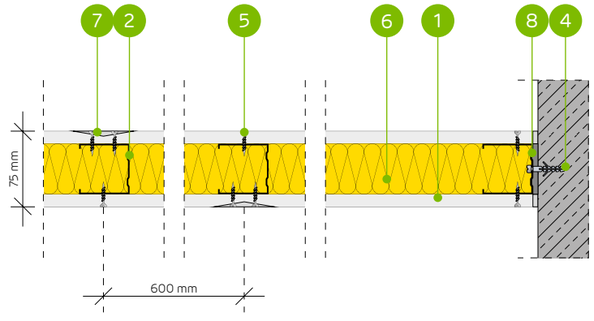
SYSTEMS:

75A50; 80A50



MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile
3. Nida U 50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Insulation material mineral wool
7. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
8. Nida acoustic insulation tape width 50 mm



THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{w1} [dB]	R_{w2} [dB]	[kg]	[min]	ETAG 003 class	
75A50/Expert [5]	C50	Expert	12,5	-	-	-	-	3250	35	33	27	19,0	(R)EI20	II	-
75A50/Expert	C50	Expert	12,5	50	12,0	50	10,0	3250	42	38	31	19,0	(R)EI20	II	-
75A50/Expert	C50	Expert	12,5	50	12,0	50	12,7	3250	42	38	31	19,0	(R)EI30	II	-
75A50/Woda [3] [5]	C50	Woda	12,5	-	-	-	-	3250	35	33	27	19,0	(R)EI20	III	-
75A50/Woda [3]	C50	Woda	12,5	50	12,0	50	10,0	3250	42	38	31	19,0	(R)EI20	III	-
75A50/Woda [3]	C50	Woda	12,5	50	12,0	50	12,7	3250	42	38	31	19,0	(R)EI30	III	-
75A50/OgieńTypF	C50	Ogień Typ F	12,5	50	12,0	50	10,0	3250	42	38	31	21,0	(R)EI30	III	-
75A50/Ogień+ [4] [5]	C50	Ogień Plus	12,5	-	-	-	-	3250	37	34	29	23,0	(R)EI30	III	-
75A50/Ogień+ [4] [5]	C50	Ogień Plus	12,5	50	10,0	50	10,0	3250	41	37	31	23,0	(R)EI45	III	-
75A50/Ogień+	C50	Ogień Plus	12,5	50	12,0	50	30,0	3250	37	39	32	23,0	(R)EI60	III	-
75A50/WodaOgień+	C50	Woda Ogień Plus	12,5	50	12,0	50	30,0	3250	44	39	32	23,0	(R)EI60	III	-
75A50/Twarda	C50	Twarda	12,5	50	14,5	50	30,0	3250	50	43	35	28,0	(R)EI60	III	●
75A50/Hydro	C50	Hydro	12,5	50	12,0	50	50,0	3250	44	39	32	24,0	(R)EI60	III	●
75A50/Cicha	C50	Cicha	12,5	50	14,5	50	30,0	3250	51	46	39	28,0	(R)EI60	III	●
80A50/Ogień+ [4] [5]	C50	Ogień Plus	15,0	-	-	-	-	3250	40	38	32	30,0	(R)EI60	III	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[5] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.

The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana												
		75A50/Expert	75A50/Expert	75A50/Woda	75A50/Woda	75A50/OgieńTypF	75A50/Ogień+ [4]	75A50/Ogień+ [4]	75A50/Ogień+	75A50/WodaOgień+	75A50/Twarda	75A50/Hydro	75A50/Cicha	80A50/Ogień+ [4]
		Consumption of material per 1 m²												
Nida Expert 12,5 mm plasterboard	m²	2,0	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	2,0	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Type F 12,5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	2,0	2,0	2,0	-	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	2,0	-	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	2,0	-	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Ogień Plus 15,0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	-	2,0
Nida C50 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U50 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [6]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-	24,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-	24,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	-	24,0	-	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	-	0,8	0,8	-	-
Mineral wool [8]	m²	-	1,0	-	1,0	1,0	-	1,0	1,0	1,0	1,0	1,0	1,0	-

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).

The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI20 (R)EI30 (R)EI45 (R)EI60

Maximum acoustic insulation: 42 dB

Maximum encasement height: 4250 mm

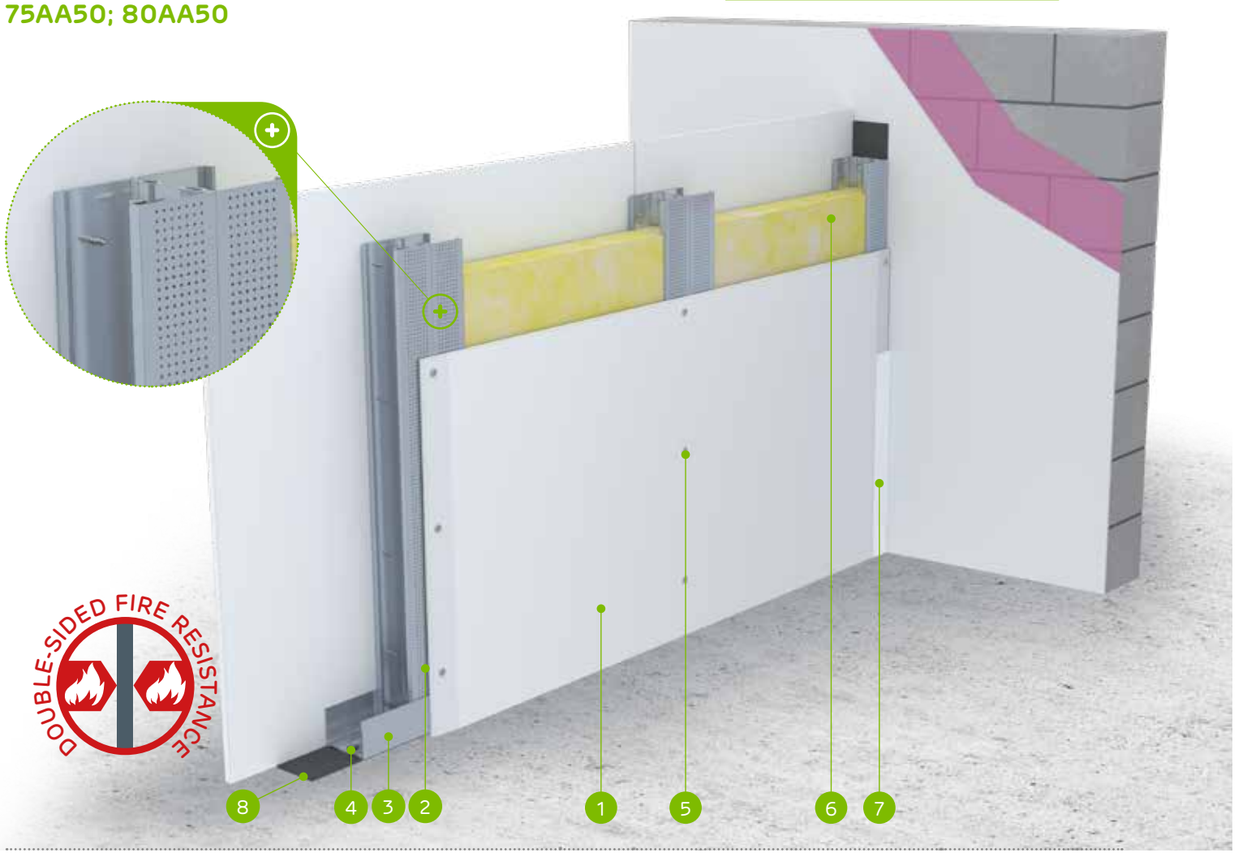
Weight of 1 m² of encasement: 20,0-31,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

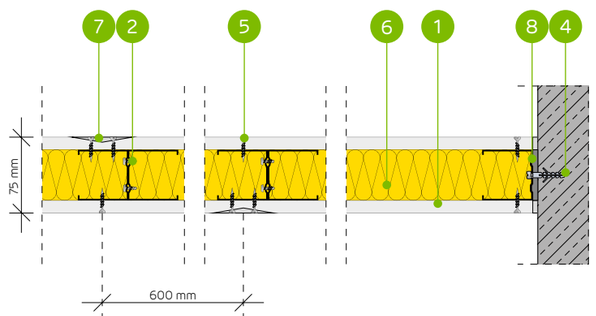
SYSTEMS:

75AA50; 80AA50



MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile (doubled)
3. Nida U 50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Insulation material mineral wool
7. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
8. Nida acoustic insulation tape width 50 mm



THE PARTITION WALL SYSTEM ON A DOUBLED STRUCTURE OF THE NIDA C50 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
75AA50/Expert	2xC50	Expert	12,5	-	-	-	-	4250	-	-	-	20,0	(R)EI20	II	-
75AA50/Expert	2xC50	Expert	12,5	50	12,0	50	10,0	4250	42	39	31	20,0	(R)EI20	II	-
75AA50/Expert	2xC50	Expert	12,5	50	12,0	50	12,7	4250	42	39	31	20,0	(R)EI30	II	-
75AA50/Woda [3]	2xC50	Woda	12,5	-	-	-	-	4250	-	-	-	20,0	(R)EI20	III	-
75AA50/Woda [3]	2xC50	Woda	12,5	50	12,0	50	10,0	4250	42	39	31	20,0	(R)EI20	III	-
75AA50/Woda [3]	2xC50	Woda	12,5	50	12,0	50	12,7	4250	42	39	31	20,0	(R)EI30	III	-
75AA50/OgieńTypF	2xC50	Ogień Typ F	12,5	50	12,0	50	10,0	4250	42	39	31	22,0	(R)EI30	III	-
75AA50/Ogień+ [4]	2xC50	Ogień Plus	12,5	-	-	-	-	4250	-	-	-	24,0	(R)EI30	III	-
75AA50/Ogień+ [4]	2xC50	Ogień Plus	12,5	-	-	50	10,0	4250	-	-	-	24,0	(R)EI45	III	-
75AA50/Ogień+	2xC50	Ogień Plus	12,5	50	12,0	50	30,0	4250	42	39	31	24,0	(R)EI60	III	-
75AA50/WodaOgień+	2xC50	Woda Ogień Plus	12,5	50	12,0	50	30,0	4250	42	39	31	24,0	(R)EI60	III	-
75AA50/Twarda	2xC50	Twarda	12,5	50	12,0	50	30,0	4250	42	39	31	29,0	(R)EI60	III	●
75AA50/Hydro	2xC50	Hydro	12,5	50	12,0	50	50,0	4250	42	39	31	25,0	(R)EI60	III	●
75AA50/Cicha	2xC50	Cicha	12,5	50	12,0	50	30,0	4250	42	39	31	29,0	(R)EI60	III	●
80AA50/Ogień+ [4]	2xC50	Ogień Plus	15,0	-	-	-	-	4250	-	-	-	31,0	(R)EI60	III	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana												
		75AA50/ Expert	75AA50/ Expert	75AA50/ Woda	75AA50/ Woda	75AA50/ OgieńTypF	75AA50/ Ogień+ [4]	75AA50/ Ogień+ [4]	75AA50/ Ogień+	75AA50/ WodaOgień+	75AA50/ Twarda	75AA50/ Hydro	75AA50/ Cicha	80AA50/ Ogień+ [4]
		Consumption of material per 1 m²												
Nida Expert 12,5 mm plasterboard	m²	2,0	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	2,0	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Type F 12,5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	2,0	2,0	2,0	-	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	2,0	-	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	2,0	-	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Ogień Plus 15,0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	-	2,0
Nida C50 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U50 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [5]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0
Nida 3.5x25 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-	24,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-	24,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	-	24,0	-	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2	0,2
Nida Hydromix ready-to-use joint filler [6]	kg	-	-	-	-	-	-	-	-	-	0,8	0,8	-	-
Mineral wool [7]	m²	-	1,0	-	1,0	1,0	-	1,0	1,0	1,0	1,0	1,0	1,0	-

[5] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[6] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[7] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI20 (R)EI30 (R)EI45 (R)EI60

Maximum acoustic insulation: 54 dB

Maximum encasement height: 4500 mm

Weight of 1 m² of encasement: 19,0-30,0 kg

Number of related document: ETA 15/0301

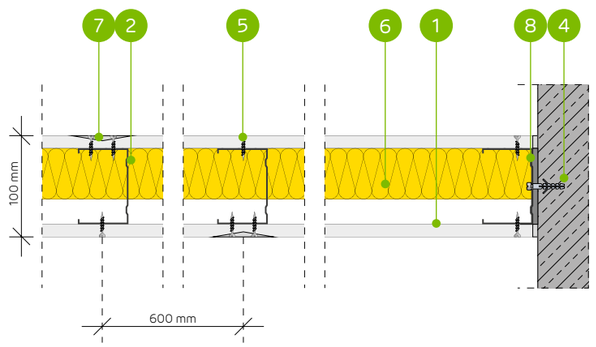
Declaration of Performance: DoP/Wall System /0001/15.11.2016

SYSTEMS:

100A75; 105A75

MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Insulation material mineral wool
7. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
8. Nida acoustic insulation tape width 70 mm



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THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C75 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
100A75/Expert [5]	C75	Expert	12,5	-	-	-	-	4500	37	34	28	19,0	(R)EI20	III	-
100A75/Expert	C75	Expert	12,5	75	14,5	50	10,0	4500	46	41	33	19,0	(R)EI20	III	-
100A75/Expert	C75	Expert	12,5	75	14,5	50	12,7	4500	46	41	33	19,0	(R)EI30	III	-
100A75/Woda [3] [5]	C75	Woda	12,5	-	-	-	-	4500	37	34	28	19,0	(R)EI20	III	-
100A75/Woda [3]	C75	Woda	12,5	75	14,5	50	10,0	4500	46	41	33	19,0	(R)EI20	III	-
100A75/Woda [3]	C75	Woda	12,5	75	14,5	50	12,7	4500	46	41	33	19,0	(R)EI30	III	-
100A75/OgieńTypF	C75	Ogień Typ F	12,5	75	14,5	50	10,0	4500	46	41	33	21,0	(R)EI30	III	-
100A75/Ogień+ [4] [5]	C75	Ogień Plus	12,5	-	-	-	-	4500	38	35	29	23,0	(R)EI30	III	-
100A75/Ogień+ [4] [5]	C75	Ogień Plus	12,5	50	10,0	50	10,0	4500	43	39	31	23,0	(R)EI45	III	-
100A75/Ogień+	C75	Ogień Plus	12,5	50	12,0	50	30,0	4500	47	44	37	23,0	(R)EI60	III	-
100A75/WodaOgień+	C75	Woda Ogień Plus	12,5	50	12,0	50	30,0	4500	47	44	37	23,0	(R)EI60	III	-
100A75/Twarda	C75	Twarda	12,5	75	14,5	50	30,0	4500	51	48	41	28,0	(R)EI60	III	●
100A75/Hydro	C75	Hydro	12,5	50	12,0	50	50,0	4500	47	44	37	24,0	(R)EI60	III	●
100A75/Cicha	C75	Cicha	12,5	75	14,5	50	30,0	4500	54	50	43	28,0	(R)EI60	III	●
105A75/Ogień+ [4] [5]	C75	Ogień Plus	15,0	-	-	-	-	4500	40	38	32	30,0	(R)EI60	III	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[5] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana												
		100A75/ Expert	100A75/ Expert	100A75/Woda	100A75/Woda	100A75/ OgieńTypF	100A75/ Ogień+ [4]	100A75/ Ogień+ [4]	100A75/ Ogień+	100A75/ WodaOgień+	100A75/ Twarda	100A75/ Hydro	100A75/Cicha	105A75/ Ogień+ [4]
		Consumption of material per 1 m²												
Nida Expert 12,5 mm plasterboard	m²	2,0	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	2,0	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Type F 12,5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	2,0	2,0	2,0	-	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	2,0	-	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	2,0	-	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Ogień Plus 15,0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	-	2,0
Nida C75 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U75 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [6]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-	24,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-	24,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	-	24,0	-	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	-	0,8	0,8	-	-
Mineral wool [8]	m²	-	1,0	-	1,0	1,0	-	1,0	1,0	1,0	1,0	1,0	1,0	-

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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nida Ściana

Fire resistance class: (R)EI20 (R)EI30 (R)EI45 (R)EI60

Maximum acoustic insulation: N/A

Maximum encasement height: 6500 mm

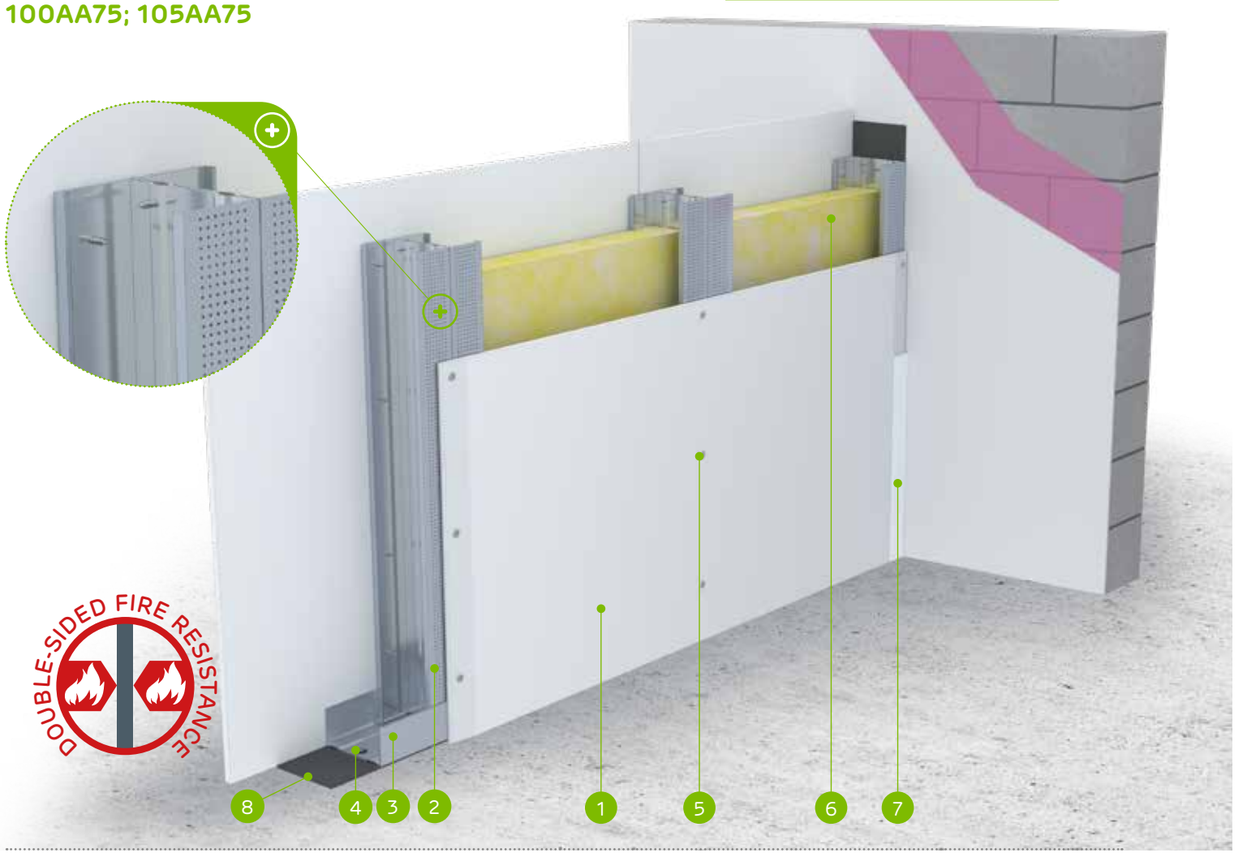
Weight of 1 m² of encasement: 20,0-31,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

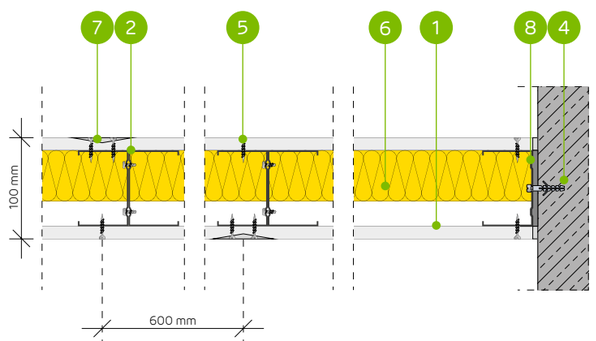
SYSTEMS:

100AA75; 105AA75



MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile (doubled)
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Insulation material mineral wool
7. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
8. Nida acoustic insulation tape width 70 mm



THE PARTITION WALL SYSTEM ON A DOUBLED STRUCTURE OF THE NIDA C75 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
100AA75/Expert	2xC75	Expert	12,5	-	-	-	-	6500	-	-	-	20,0	(R)EI20	IV	-
100AA75/Expert	2xC75	Expert	12,5	-	-	50	10,0	6500	-	-	-	20,0	(R)EI20	IV	-
100AA75/Expert	2xC75	Expert	12,5	-	-	50	12,7	6500	-	-	-	20,0	(R)EI30	IV	-
100AA75/Woda	2xC75	Woda	12,5	-	-	-	-	6500	-	-	-	20,0	(R)EI20	IV	-
100AA75/Woda [3]	2xC75	Woda	12,5	-	-	50	10,0	6500	-	-	-	20,0	(R)EI20	IV	-
100AA75/Woda [3]	2xC75	Woda	12,5	-	-	50	12,7	6500	-	-	-	20,0	(R)EI30	IV	-
100AA75/OgieńTypF	2xC75	Ogień Typ F	12,5	-	-	50	10,0	6500	-	-	-	22,0	(R)EI30	IV	-
100AA75/Ogień+ [4]	2xC75	Ogień Plus	12,5	-	-	-	-	6500	-	-	-	24,0	(R)EI30	IV	-
100AA75/Ogień+ [4]	2xC75	Ogień Plus	12,5	-	-	50	10,0	6500	-	-	-	24,0	(R)EI45	IV	-
100AA75/Ogień+	2xC75	Ogień Plus	12,5	-	-	50	30,0	6500	-	-	-	24,0	(R)EI60	IV	-
100AA75/WodaOgień+	2xC75	Woda Ogień Plus	12,5	-	-	50	30,0	6500	-	-	-	24,0	(R)EI60	IV	-
100AA75/Twarda	2xC75	Twarda	12,5	-	-	50	30,0	6500	-	-	-	30,0	(R)EI60	IV	●
100AA75/Hydro	2xC75	Hydro	12,5	-	-	50	50,0	6500	-	-	-	26,0	(R)EI60	IV	●
100AA75/Cicha	2xC75	Cicha	12,5	-	-	50	30,0	6500	-	-	-	30,0	(R)EI60	IV	●
105AA75/Ogień+ [4]	2xC75	Ogień Plus	15,0	-	-	-	-	6500	-	-	-	31,0	(R)EI60	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana											
		100AA75/ Expert	100AA75/ Expert	100AA75/ Woda	100AA75/ Woda	100AA75/ OgieńTypF	100AA75/ Ogień+ [4]	100AA75/ Ogień+ [4]	100AA75/ Ogień+	100AA75/ WodaOgień+	100AA75/ Twarda	100AA75/ Hydro	100AA75/ Cicha	105AA75/ Ogień+ [4]
		Consumption of material per 1 m²												
Nida Expert 12,5 mm plasterboard	m²	2,0	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	2,0	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Type F 12,5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	2,0	2,0	2,0	-	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	2,0	-	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	2,0	-	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Ogień Plus 15,0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	-	2,0
Nida C75 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U75 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [5]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0
Nida 3.5x25 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-	24,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-	24,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	-	24,0	-	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2	0,2
Nida Hydromix ready-to-use joint filler [6]	kg	-	-	-	-	-	-	-	-	-	0,8	0,8	-	-
Mineral wool [7]	m²	-	1,0	-	1,0	1,0	-	1,0	1,0	1,0	1,0	1,0	1,0	-

[5] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[6] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[7] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI20 (R)EI30 (R)EI45 (R)EI60

Maximum acoustic insulation: 56 dB

Maximum encasement height: 5000 mm

Weight of 1 m² of encasement: 19,0-30,0 kg

Number of related document: ETA 15/0301

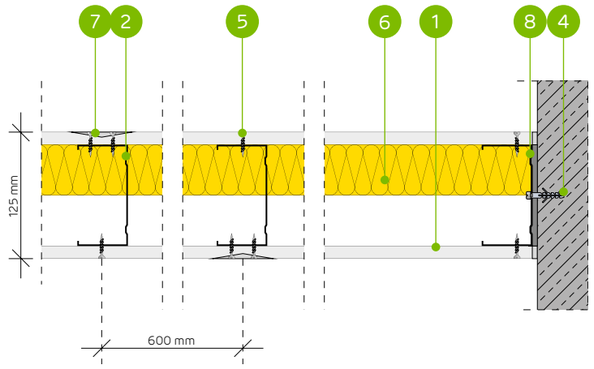
Declaration of Performance: DoP/Wall System /0001/15.11.2016

SYSTEMS:

125A100; 130A100

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Insulation material mineral wool
7. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
8. Nida acoustic insulation tape width 95 mm



THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
125A100/Expert [5]	C100	Expert	12,5	-	-	-	-	5000	38	36	31	19,0	(R)EI20	IV	-
125A100/Expert	C100	Expert	12,5	100	14,5	50	10,0	5000	50	47	39	19,0	(R)EI20	IV	-
125A100/Expert	C100	Expert	12,5	100	14,5	50	12,7	5000	50	47	39	19,0	(R)EI30	IV	-
125A100/Woda [3] [5]	C100	Woda	12,5	-	-	-	-	5000	38	36	31	19,0	(R)EI20	IV	-
125A100/Woda [3]	C100	Woda	12,5	100	14,5	50	10,0	5000	50	47	39	19,0	(R)EI20	IV	-
125A100/Woda [3]	C100	Woda	12,5	100	14,5	50	12,7	5000	50	47	39	19,0	(R)EI30	IV	-
125A100/OgieńTypF	C100	Ogień Typ F	12,5	100	14,5	50	10,0	5000	50	47	39	21,0	(R)EI30	IV	-
125A100/Ogień+ [4] [5]	C100	Ogień Plus	12,5	-	-	-	-	5000	40	36	29	23,0	(R)EI30	IV	-
125A100/Ogień+ [4] [5]	C100	Ogień Plus	12,5	100	10,0	50	10,0	5000	45	41	34	23,0	(R)EI45	IV	-
125A100/Ogień+	C100	Ogień Plus	12,5	100	12,0	50	30,0	5000	50	48	43	23,0	(R)EI60	IV	-
125A100/WodaOgień+	C100	Woda Ogień Plus	12,5	100	12,0	50	30,0	5000	50	48	43	23,0	(R)EI60	IV	-
125A100/Twarda	C100	Twarda	12,5	100	14,5	50	30,0	5000	54	51	43	29,0	(R)EI60	IV	●
125A100/Hydro	C100	Hydro	12,5	100	12,0	50	50,0	5000	50	48	43	25,0	(R)EI60	IV	●
125A100/Cicha	C100	Cicha	12,5	100	14,5	50	30,0	5000	56	53	47	29,0	(R)EI60	IV	●
130A100/Ogień+ [4] [5]	C100	Ogień Plus	15,0	-	-	-	-	5000	42	40	35	30,0	(R)EI60	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[5] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana												
		125A100/ Expert	125A100/ Expert	125A100/ Woda	125A100/ Woda	125A100/ OgieńTypF	125A100/ Ogień+ [4]	125A100/ Ogień+ [4]	125A100/ Ogień+	125A100/ WodaOgień+	125A100/ Twarda	125A100/ Hydro	125A100/ Cicha	130A100/ Ogień+ [4]
		Consumption of material per 1 m²												
Nida Expert 12,5 mm plasterboard	m²	2,0	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	2,0	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Type F 12,5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	2,0	2,0	2,0	-	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	2,0	-	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	2,0	-	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Ogień Plus 15,0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	-	2,0
Nida C100 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U100 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [6]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-	24,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-	24,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	-	24,0	-	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	-	0,8	0,8	-	-
Mineral wool [8]	m²	-	1,0	-	1,0	1,0	-	1,0	1,0	1,0	1,0	1,0	1,0	-

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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Calculator of the Nida systems
www.siniat.pl/kalkulatory

Follow us on:

125AA100; 130AA100

nida Ściana

Fire resistance class:
(R)EI20
(R)EI30
(R)EI45
(R)EI60

Maximum acoustic insulation:
46 dB

Maximum encasement height:
6500 mm

Weight of 1 m² of encasement:
21,0-32,0 kg

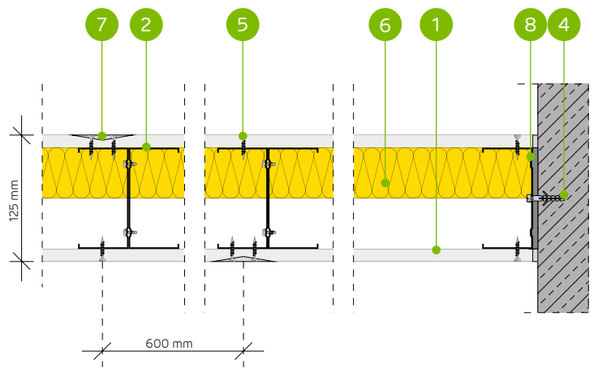
Number of related document:
ETA 15/0301

Declaration of Performance:
DoP/Wall System /0001/15.11.2016

SYSTEMS:
125AA100; 130AA100

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile (doubled)
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Insulation material mineral wool
7. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
8. Nida acoustic insulation tape width 95 mm



THE PARTITION WALL SYSTEM ON A DOUBLED STRUCTURE OF THE NIDA C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
125AA100/Expert	2xC100	Expert	12,5	-	-	-	-	6500	-	-	-	21,0	(R)EI20	IV	-
125AA100/Expert	2xC100	Expert	12,5	50	12,0	50	10,0	6500	46	43	36	21,0	(R)EI20	IV	-
125AA100/Expert	2xC100	Expert	12,5	50	12,0	50	12,7	6500	46	43	36	21,0	(R)EI30	IV	-
125AA100/Woda	2xC100	Woda	12,5	-	-	-	-	6500	-	-	-	21,0	(R)EI20	IV	-
125AA100/Woda [3]	2xC100	Woda	12,5	50	12,0	50	10,0	6500	46	43	36	21,0	(R)EI20	IV	-
125AA100/Woda [3]	2xC100	Woda	12,5	50	12,0	50	12,7	6500	46	43	36	21,0	(R)EI30	IV	-
125AA100/OgieńTypF	2xC100	Ogień Typ F	12,5	50	12,0	50	10,0	6500	46	43	36	22,0	(R)EI30	IV	-
125AA100/Ogień+ [4]	2xC100	Ogień Plus	12,5	-	-	-	-	6500	-	-	-	25,0	(R)EI30	IV	-
125AA100/Ogień+ [4]	2xC100	Ogień Plus	12,5	-	-	50	10,0	6500	-	-	-	25,0	(R)EI45	IV	-
125AA100/Ogień+	2xC100	Ogień Plus	12,5	50	12,0	50	30,0	6500	46	43	36	25,0	(R)EI60	IV	-
125AA100/WodaOgień+	2xC100	Woda Ogień Plus	12,5	50	12,0	50	30,0	6500	46	43	36	25,0	(R)EI60	IV	-
125AA100/Twarda	2xC100	Twarda	12,5	50	12,0	50	30,0	6500	46	43	36	31,0	(R)EI60	IV	●
125AA100/Hydro	2xC100	Hydro	12,5	50	12,0	50	50,0	6500	46	43	36	27,0	(R)EI60	IV	●
125AA100/Cicha	2xC100	Cicha	12,5	50	12,0	50	30,0	6500	46	43	36	31,0	(R)EI60	IV	●
130AA100/Ogień+ [4]	2xC100	Ogień Plus	15,0	-	-	-	-	6500	-	-	-	32,0	(R)EI60	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana												
		125AA100/ Expert	125AA100/ Expert	125AA100/ Woda	125AA100/ Woda	125AA100/ OgieńTypF	125AA100/ Ogień+ [4]	125AA100/ Ogień+ [4]	125AA100/ Ogień+	125AA100/ WodaOgień+	125AA100/ Twarda	125AA100/ Hydro	125AA100/ Cicha	130AA100/ Ogień+ [4]
		Consumption of material per 1 m²												
Nida Expert 12,5 mm plasterboard	m²	2,0	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	2,0	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Type F 12,5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	2,0	2,0	2,0	-	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	2,0	-	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	2,0	-	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Ogień Plus 15,0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	-	2,0
Nida C100 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U100 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [5]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0
Nida 3.5x25 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-	24,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-	24,0	-
Nida Hydro CS 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	-	24,0	-	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2	0,2
Nida Hydromix ready-to-use joint filler [6]	kg	-	-	-	-	-	-	-	-	-	0,8	0,8	-	-
Mineral wool [7]	m²	-	1,0	-	1,0	1,0	-	1,0	1,0	1,0	1,0	1,0	1,0	-

[5] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[6] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[7] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI30 (R)EI60

Maximum acoustic insulation: 56 dB

Maximum encasement height: 5000 mm

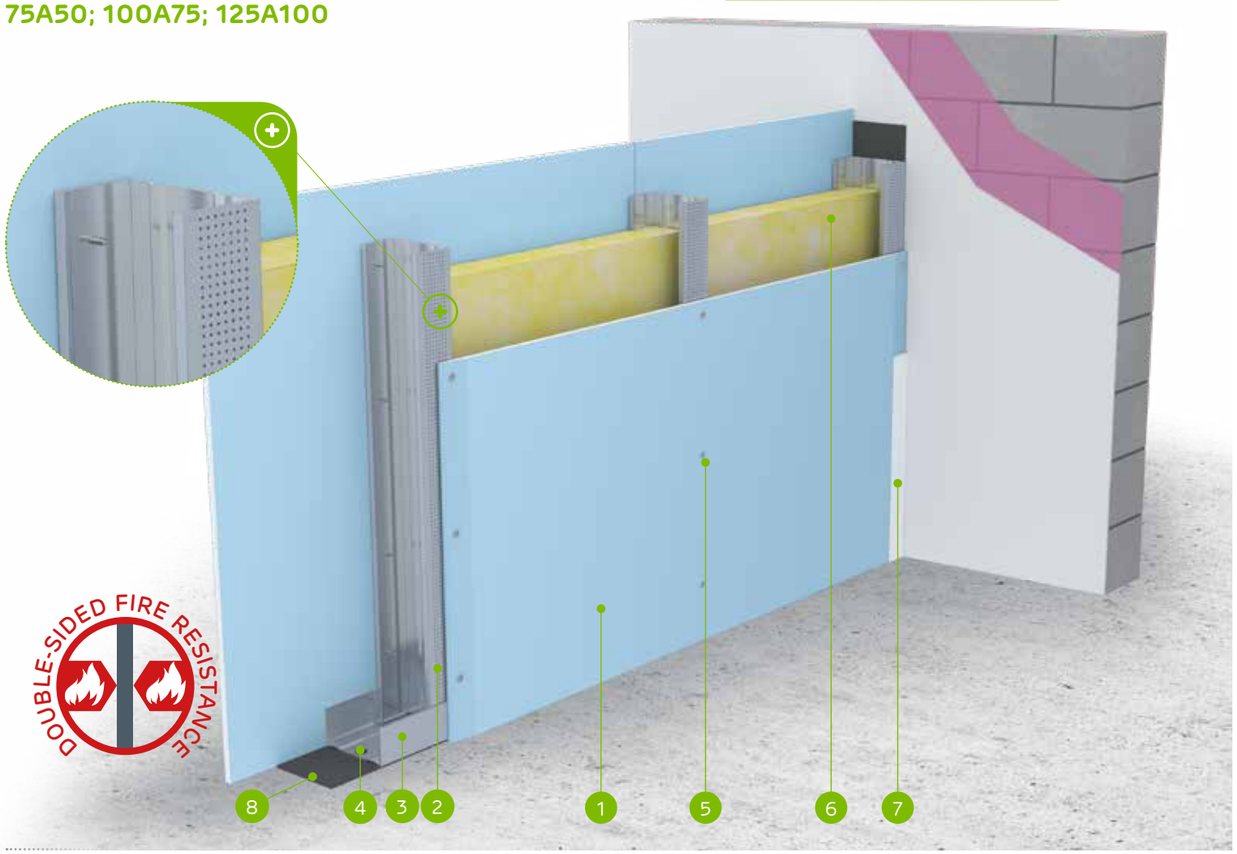
Weight of 1 m² of encasement: 28,0-29,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

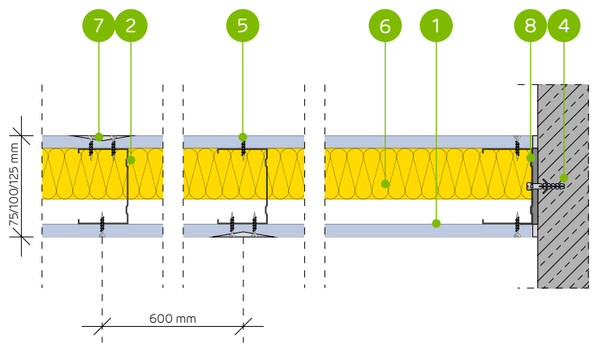
SYSTEMS:

75A50; 100A75; 125A100



MATERIALS:

1. Nida Cicha typ A or Nida Cicha typ DFH1IR plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. FixDens 4.2 x 25 mm screws
6. Insulation material mineral wool
7. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
8. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON SINGLE LOAD-BEARING STRUCTURES OF THE NIDA C50, C75, C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards			Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida		Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
75A50/Cicha typ A	C50	Cicha typ A		12,5	50	14,5	50	30,0	3250	51	46	39	28,0	(R)EI30	III	●
100A75/Cicha typ A	C75	Cicha typ A		12,5	75	14,5	50	30,0	4500	54	50	43	28,0	(R)EI30	III	●
125A100/Cicha typ A	C100	Cicha typ A		12,5	100	14,5	50	30,0	5000	56	53	47	29,0	(R)EI30	IV	●
75A50/Cicha	C50	Cicha [3]		12,5	50	14,5	50	30,0	3250	51	46	39	28,0	(R)EI60	III	●
100A75/Cicha	C75	Cicha [3]		12,5	75	14,5	50	30,0	4500	54	50	43	28,0	(R)EI60	III	●
125A100/Cicha	C100	Cicha [3]		12,5	100	14,5	50	30,0	5000	56	53	47	29,0	(R)EI60	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] Nida Cicha board type DFH1IR; as an alternative the NIDA Ciężka type DFH1IR should be utilised.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		75A50/Cicha typ A	100A75/Cicha typ A	125A100/Cicha typ A	75A50/Cicha	100A75/Cicha	125A100/Cicha
		Consumption of material per 1 m²					
Nida Cicha type A 12,5 mm plasterboard	m²	2,0	2,0	2,0	-	-	-
Nida Cicha type DFH1IR 12,5 mm plasterboard	m²	-	-	-	2,0	2,0	2,0
Nida C50 profile	lm	1,8	-	-	1,8	-	-
Nida C75 profile	lm	-	1,8	-	-	1,8	-
Nida C100 profile	lm	-	-	1,8	-	-	1,8
Nida U50 profile	lm	0,7	-	-	0,7	-	-
Nida U75 profile	lm	-	0,7	-	-	0,7	-
Nida U100 profile	lm	-	-	0,7	-	-	0,7
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9
FixDens 4.2x25 mm screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,6	0,6	0,6	0,6	0,6	0,6
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [5]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[4] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[5] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60

Maximum acoustic insulation: 44 dB

Maximum encasement height: 3250 mm

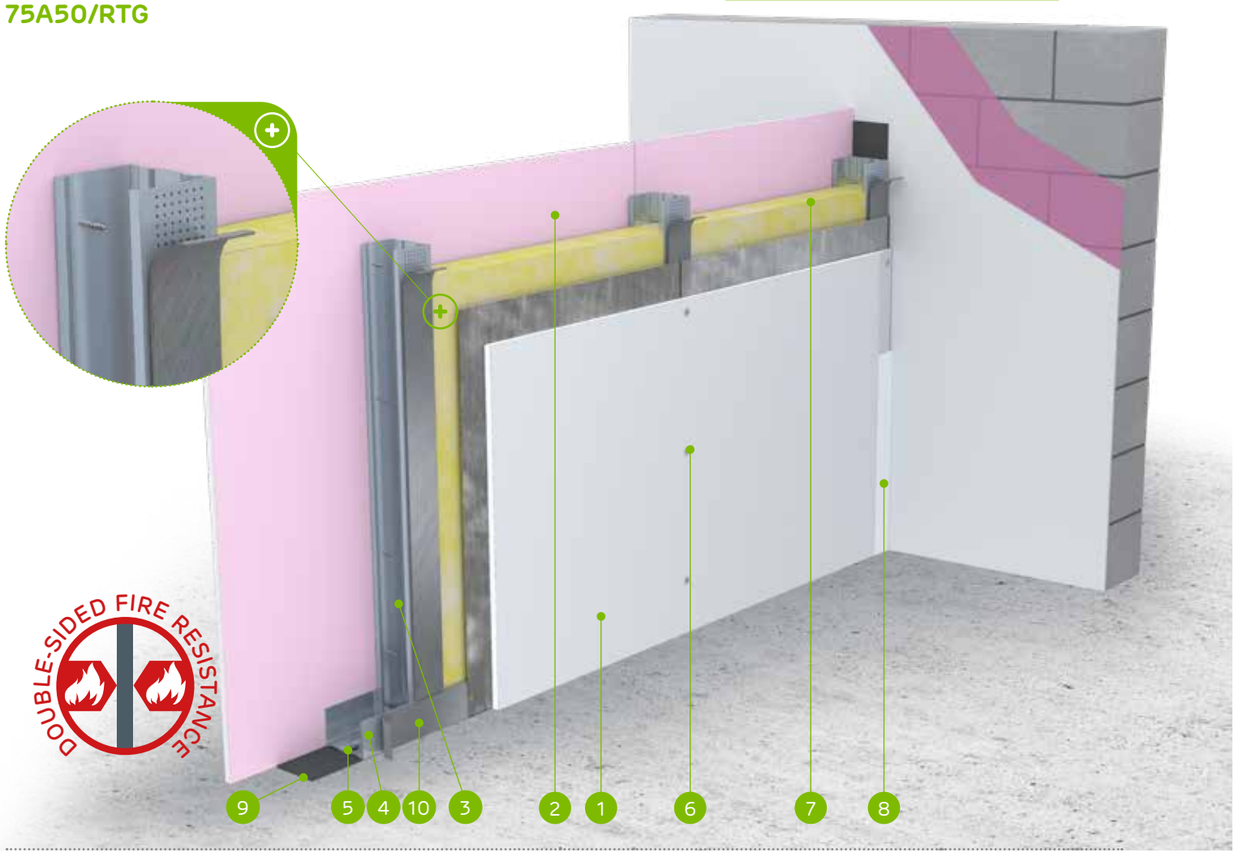
Weight of 1 m² of encasement: 28,0-57,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0011/15.11.2016

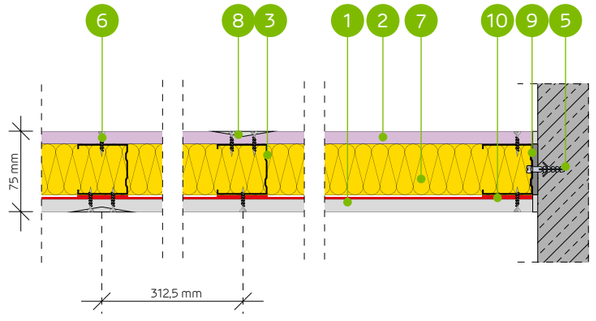
SYSTEMS:

75A50/RTG



MATERIALS:

1. Nida RTG plasterboard with lead coating
2. Nida Ogień Plus plasterboard
3. Nida C 50 profile
4. Nida U 50 profile
5. Anchoring element
6. Nida 3.5 x 25 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 mm
10. Self-adhesive tape with lead



THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50 (NIDA RTG)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards			Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida		Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_{Ac} [dB]	[kg]	[min]	ETAG 003 class	
75A50/RTG-0,5	C50	Ogień Plus / RTG		12,5/12,5 + 0,5	50	12,0	50	30,0	3250	44	39	32	28,0	(R)EI60	III	●
75A50/RTG-1,0	C50	Ogień Plus / RTG		12,5/12,5 + 1,0	50	12,0	50	30,0	3250	44	39	32	34,0	(R)EI60	III	●
75A50/RTG-1,5	C50	Ogień Plus / RTG		12,5/12,5 + 1,5	50	12,0	50	30,0	3250	44	39	32	40,0	(R)EI60	III	●
75A50/RTG-2,0	C50	Ogień Plus / RTG		12,5/12,5 + 2,0	50	12,0	50	30,0	3250	44	39	32	46,0	(R)EI60	III	●
75A50/RTG-2,5	C50	Ogień Plus / RTG		12,5/12,5 + 2,5	50	12,0	50	30,0	3250	44	39	32	51,0	(R)EI60	III	●
75A50/RTG-3,0	C50	Ogień Plus / RTG		12,5/12,5 + 3,0	50	12,0	50	30,0	3250	44	39	32	57,0	(R)EI60	III	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		75A50/RTG-0,5	75A50/RTG-1,0	75A50/RTG-1,5	75A50/RTG-2,0	75A50/RTG-2,5	75A50/RTG-3,0
		Consumption of material per 1 m²					
Nida RTG 12,5 mm plasterboard + 0.5 mm	m²	1,0	-	-	-	-	-
Nida RTG 12,5 mm plasterboard + 1.0 mm	m²	-	1,0	-	-	-	-
Nida RTG 12,5 mm plasterboard + 1.5 mm	m²	-	-	1,0	-	-	-
Nida RTG 12,5 mm plasterboard + 2.0 mm	m²	-	-	-	1,0	-	-
Nida RTG 12,5 mm plasterboard + 2.5 mm	m²	-	-	-	-	1,0	-
Nida RTG 12,5 mm plasterboard + 3.0 mm	m²	-	-	-	-	-	1,0
Nida Ogień Plus 12,5 mm plasterboard	m²	1,0	1,0	1,0	1,0	1,0	1,0
Nida C50 profile	lm	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]
Nida U50 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [3]	pcs.	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]
Nida 3.5x35 mm sheet metal screws	pcs.	24,0 (48,0) [4]	24,0 (48,0) [4]	24,0 (48,0) [4]	24,0 (48,0) [4]	24,0 (48,0) [4]	24,0 (48,0) [4]
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida RTG tape with lead (self-adhesive) [5]	lm	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]
Nida Start gypsum putty	kg	0,6	0,6	0,6	0,6	0,6	0,6
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [6]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] With a spacing of 312.5 mm.
[5] Selection of the lead tape thickness according to the type of the applied sheathing.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60

Maximum acoustic insulation: 47 dB

Maximum encasement height: 4500 mm

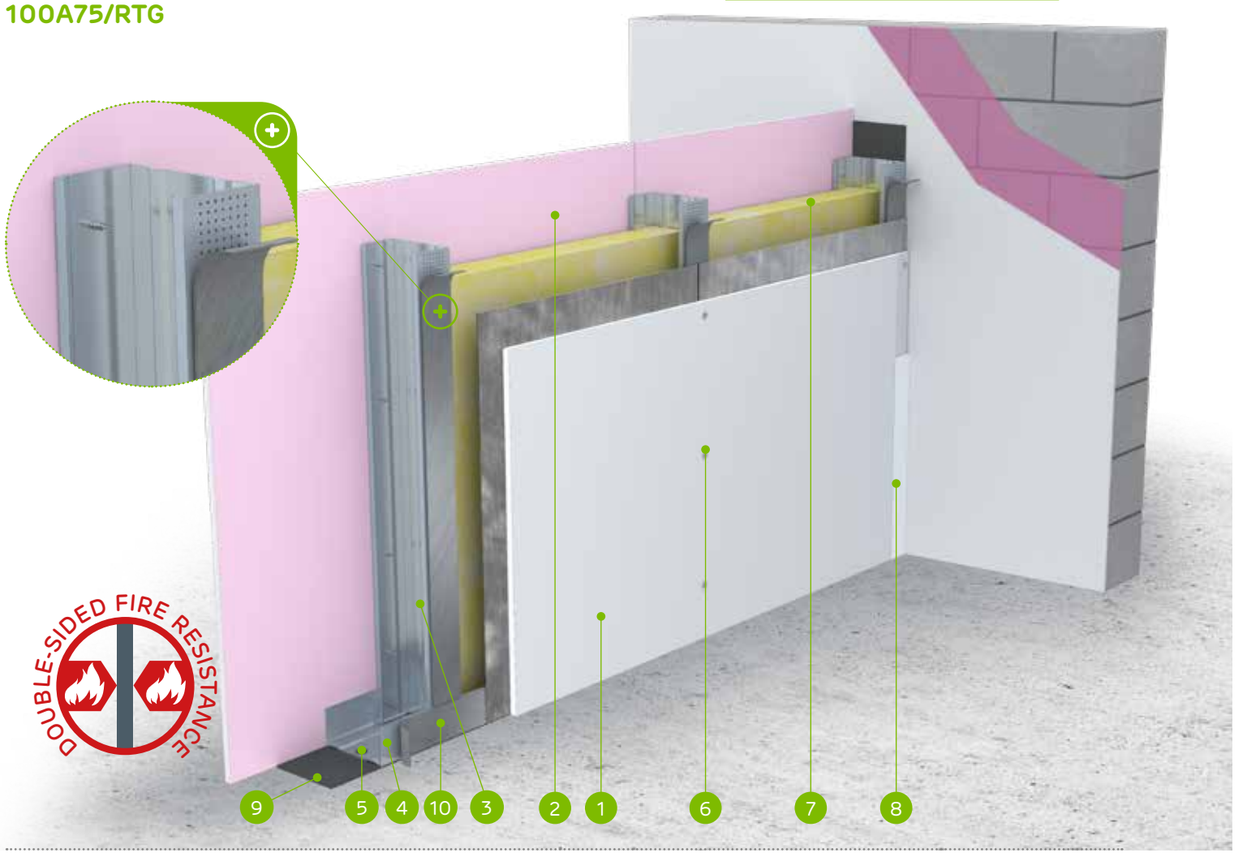
Weight of 1 m² of encasement: 29,0-57,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0011/15.11.2016

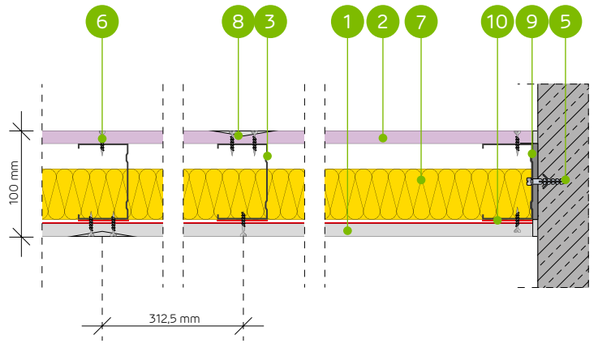
SYSTEMS:

100A75/RTG



MATERIALS:

1. Nida RTG plasterboard with lead coating
2. Nida Ogień Plus plasterboard
3. Nida C 75 profile
4. Nida U 75 profile
5. Anchoring element
6. Nida 3.5 x 25 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm
10. Self-adhesive tape with lead



THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C75 (NIDA RTG)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards			Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida		Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
100A75/RTG-0,5	C75	Ogień Plus / RTG	12,5/12,5 + 0,5		50	12,0	50	30,0	4500	47	44	37	29,0	(R)EI60	III	●
100A75/RTG-1,0	C75	Ogień Plus / RTG	12,5/12,5 + 1,0		50	12,0	50	30,0	4500	47	44	37	34,0	(R)EI60	III	●
100A75/RTG-1,5	C75	Ogień Plus / RTG	12,5/12,5 + 1,5		50	12,0	50	30,0	4500	47	44	37	40,0	(R)EI60	III	●
100A75/RTG-2,0	C75	Ogień Plus / RTG	12,5/12,5 + 2,0		50	12,0	50	30,0	4500	47	44	37	46,0	(R)EI60	III	●
100A75/RTG-2,5	C75	Ogień Plus / RTG	12,5/12,5 + 2,5		50	12,0	50	30,0	4500	47	44	37	52,0	(R)EI60	III	●
100A75/RTG-3,0	C75	Ogień Plus / RTG	12,5/12,5 + 3,0		50	12,0	50	30,0	4500	47	44	37	57,0	(R)EI60	III	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		100A75/RTG-0,5	100A75/RTG-1,0	100A75/RTG-1,5	100A75/RTG-2,0	100A75/RTG-2,5	100A75/RTG-3,0
		Consumption of material per 1 m²					
Nida RTG 12,5 mm plasterboard + 0.5 mm	m²	1,0	-	-	-	-	-
Nida RTG 12,5 mm plasterboard + 1.0 mm	m²	-	1,0	-	-	-	-
Nida RTG 12,5 mm plasterboard + 1.5 mm	m²	-	-	1,0	-	-	-
Nida RTG 12,5 mm plasterboard + 2.0 mm	m²	-	-	-	1,0	-	-
Nida RTG 12,5 mm plasterboard + 2.5 mm	m²	-	-	-	-	1,0	-
Nida RTG 12,5 mm plasterboard + 3.0 mm	m²	-	-	-	-	-	1,0
Nida Ogień Plus 12,5 mm plasterboard	m²	1,0	1,0	1,0	1,0	1,0	1,0
Nida C75 profile	lm	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]
Nida U75 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [3]	pcs.	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]
Nida 3.5x35 mm sheet metal screws	pcs.	24,0 (48,0) [4]	24,0 (48,0) [4]	24,0 (48,0) [4]	24,0 (48,0) [4]	24,0 (48,0) [4]	24,0 (48,0) [4]
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida RTG tape with lead (self-adhesive) [5]	lm	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]
Nida Start gypsum putty	kg	0,6	0,6	0,6	0,6	0,6	0,6
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [6]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] With a spacing of 312.5 mm.
[5] Selection of the lead tape thickness according to the type of the applied sheathing.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60

Maximum acoustic insulation: 50 dB

Maximum encasement height: 5000 mm

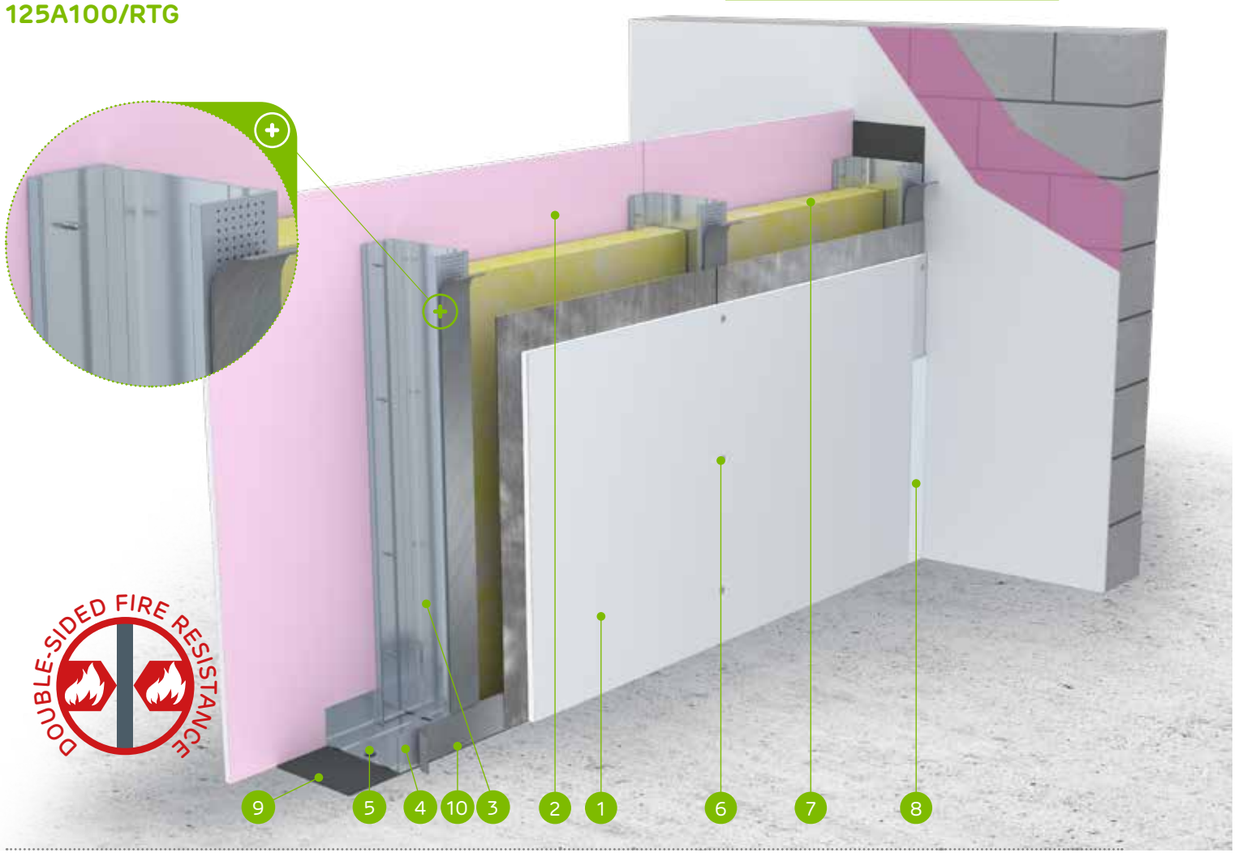
Weight of 1 m² of encasement: 29,0-58,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0011/15.11.2016

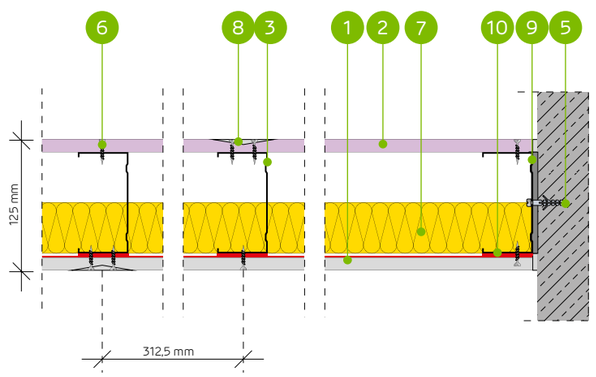
SYSTEMS:

125A100/RTG



MATERIALS:

1. Nida RTG plasterboard with lead coating
2. Nida Ogień Plus plasterboard
3. Nida C 100 profile
4. Nida U 100 profile
5. Anchoring element
6. Nida 3.5 x 25 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 95 mm
10. Self-adhesive tape with lead



THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C100 (NIDA RTG)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
125A100/RTG-0,5	C100	Ogień Plus / RTG	12,5/12,5 + 0,5	100	12,0	50	30,0	5000	50	48	43	29,0	(R)EI60	IV	●
125A100/RTG-1,0	C100	Ogień Plus / RTG	12,5/12,5 + 1,0	100	12,0	50	30,0	5000	50	48	43	35,0	(R)EI60	IV	●
125A100/RTG-1,5	C100	Ogień Plus / RTG	12,5/12,5 + 1,5	100	12,0	50	30,0	5000	50	48	43	40,0	(R)EI60	IV	●
125A100/RTG-2,0	C100	Ogień Plus / RTG	12,5/12,5 + 2,0	100	12,0	50	30,0	5000	50	48	43	46,0	(R)EI60	IV	●
125A100/RTG-2,5	C100	Ogień Plus / RTG	12,5/12,5 + 2,5	100	12,0	50	30,0	5000	50	48	43	52,0	(R)EI60	IV	●
125A100/RTG-3,0	C100	Ogień Plus / RTG	12,5/12,5 + 3,0	100	12,0	50	30,0	5000	50	48	43	58,0	(R)EI60	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		125A100/RTG-0,5	125A100/RTG-1,0	125A100/RTG-1,5	125A100/RTG-2,0	125A100/RTG-2,5	125A100/RTG-3,0
		Consumption of material per 1 m²					
Nida RTG 12,5 mm plasterboard + 0.5 mm	m²	1,0	-	-	-	-	-
Nida RTG 12,5 mm plasterboard + 1.0 mm	m²	-	1,0	-	-	-	-
Nida RTG 12,5 mm plasterboard + 1.5 mm	m²	-	-	1,0	-	-	-
Nida RTG 12,5 mm plasterboard + 2.0 mm	m²	-	-	-	1,0	-	-
Nida RTG 12,5 mm plasterboard + 2.5 mm	m²	-	-	-	-	1,0	-
Nida RTG 12,5 mm plasterboard + 3.0 mm	m²	-	-	-	-	-	1,0
Nida Ogień Plus 12,5 mm plasterboard	m²	1,0	1,0	1,0	1,0	1,0	1,0
Nida C100 profile	lm	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]
Nida U100 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [4]	pcs.	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]
Nida 3.5x35 mm sheet metal screws	pcs.	24,0 (48,0) [4]	24,0 (48,0) [4]	24,0 (48,0) [4]	24,0 (48,0) [4]	24,0 (48,0) [4]	24,0 (48,0) [4]
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida RTG tape with lead (self-adhesive) [5]	lm	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]
Nida Start gypsum putty	kg	0,6	0,6	0,6	0,6	0,6	0,6
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [6]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] With a spacing of 312.5 mm.
[5] Selection of the lead tape thickness according to the type of the applied sheathing.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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Explore the characteristics of the Nida RTG board – enter www.siniat.pl and download the brochure!

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 60 dB

Maximum encasement height: 4500 mm

Weight of 1 m² of encasement: 35,0-54,0 kg

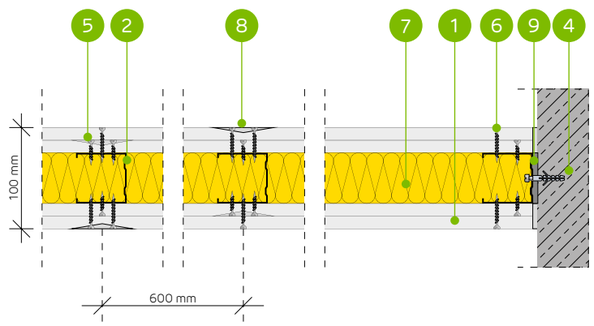
Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

SYSTEMS:
100A50

MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile
3. Nida U 50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 mm



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THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
100A50/Expert [4] [6]	C50	Expert	2x12,5	-	-	-	-	4500	43	39	32	35,0	(R)EI60	III / IV	-
100A50/Expert	C50	Expert	2x12,5	50	14,5	50	10,0	4500	54	50	43	35,0	(R)EI60	III / IV	-
100A50/Woda [3]	C50	Woda	2x12,5	50	14,5	50	10,0	4500	54	50	43	35,0	(R)EI60	III / IV	-
100A50/Expert + Ogień+	C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4500	44	40	33	39,0	(R)EI90	III / IV	-
100A50/Ogień+ [5] [6]	C50	Ogień Plus	2x12,5	-	-	-	-	4500	47	42	35	43,0	(R)EI120	III / IV	-
100A50/Ogień+ [5] [6]	C50	Ogień Plus	2x12,5	50	10,0	50	10,0	4500	51	46	39	43,0	(R)EI120	III / IV	-
100A50/Ogień+	C50	Ogień Plus	2x12,5	50	14,5	50	30,0	4500	57	55	49	43,0	(R)EI120	III / IV	-
100A50/WodaOgień+	C50	Woda Ogień Plus	2x12,5	50	14,5	50	30,0	4500	57	55	49	43,0	(R)EI120	III / IV	-
100A50/Twarda	C50	Twarda	2x12,5	50	14,5	50	30,0	4500	60	57	51	54,0	(R)EI120	III / IV	●
100A50/Hydro	C50	Hydro	2x12,5	50	14,5	50	50,0	4500	57	55	49	46,0	(R)EI120	III / IV	●
100A50/Cicha	C50	Cicha	2x12,5	50	14,5	50	30,0	4500	60	57	52	54,0	(R)EI120	III / IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		100A50/ Expert [4]	100A50/ Expert	100A50/ Woda	100A50/ Expert + Ogień+	100A50/ Ogień+ [5]	100A50/ Ogień+ [5]	100A50/ Ogień+	100A50/ WodaOgień+	100A50/ Twarda	100A50/ Hydro	100A50/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U50 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [7]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: N/A

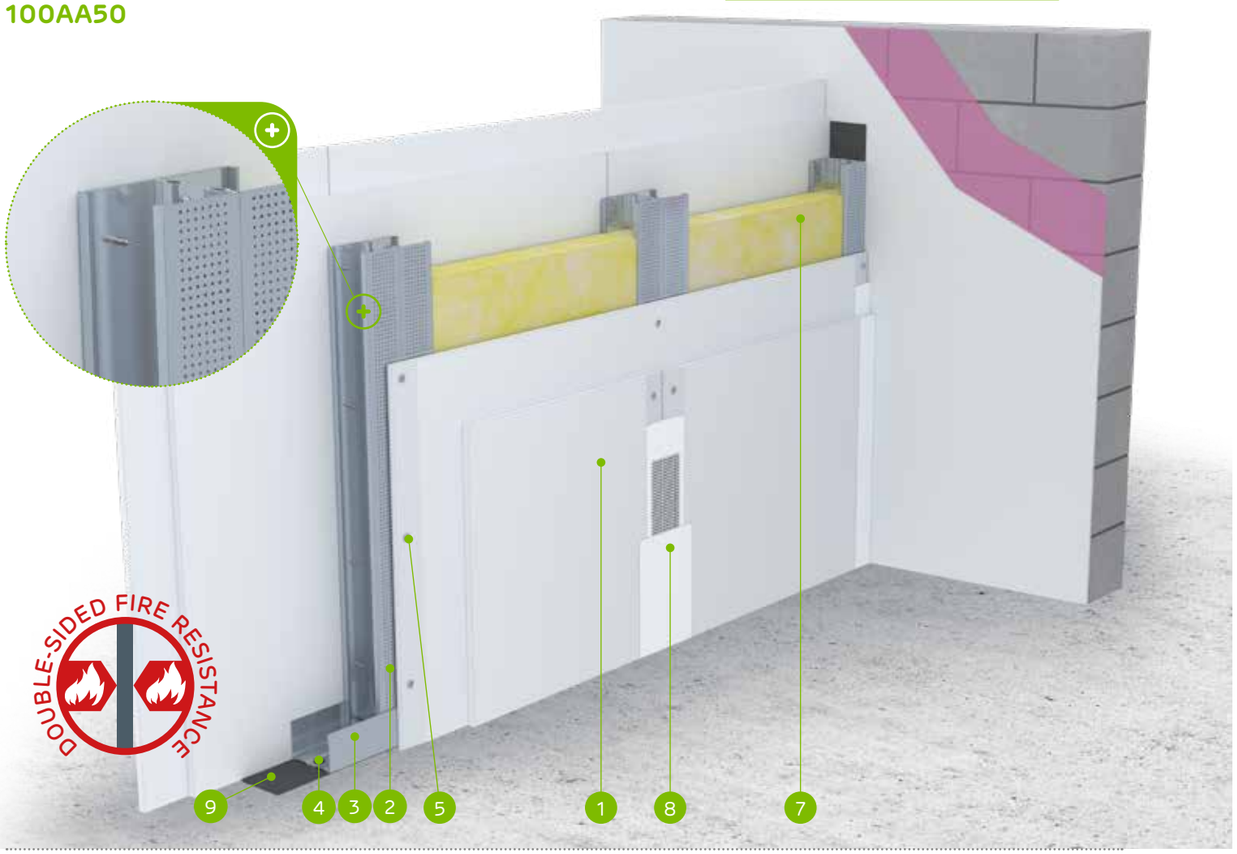
Maximum encasement height: 5500 mm

Weight of 1 m² of encasement: 36,0-56,0 kg

Number of related document: ETA 15/0301

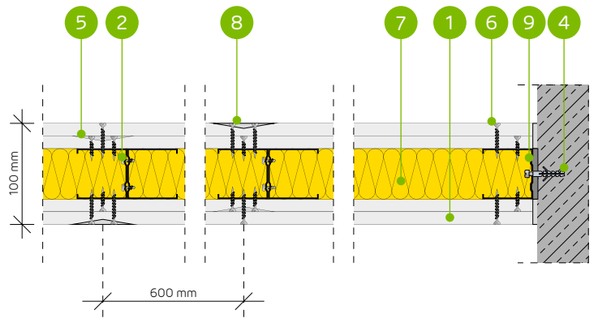
Declaration of Performance: DoP/Wall System /0001/15.11.2016

SYSTEMS:
100AA50



MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile (doubled)
3. Nida U 50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 mm



THE PARTITION WALL SYSTEM ON A DOUBLED STRUCTURE OF THE NIDA C50 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards			Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]		[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
100AA50/Expert [4]	2xC50	Expert	2x12,5		-	-	-	-	5500	-	-	-	36,0	(R)EI60	IV	-
100AA50/Expert	2xC50	Expert	2x12,5		-	-	50	10,0	5500	-	-	-	36,0	(R)EI60	IV	-
100AA50/Woda [3]	2xC50	Woda	2x12,5		-	-	50	10,0	5500	-	-	-	36,0	(R)EI60	IV	●
100AA50/Expert + Ogień+	2xC50	Expert + Ogień Plus	12,5+12,5		-	-	-	-	5500	-	-	-	40,0	(R)EI90	IV	●
100AA50/Ogień+ [5]	2xC50	Ogień Plus	2x12,5		-	-	-	-	5500	-	-	-	44,0	(R)EI120	IV	-
100AA50/Ogień+ [5]	2xC50	Ogień Plus	2x12,5		-	-	50	10,0	5500	-	-	-	44,0	(R)EI120	IV	-
100AA50/Ogień+	2xC50	Ogień Plus	2x12,5		-	-	50	30,0	5500	-	-	-	44,0	(R)EI120	IV	●
100AA50/WodaOgień+	2xC50	Woda Ogień Plus	2x12,5		-	-	50	30,0	5500	-	-	-	44,0	(R)EI120	IV	●
100AA50/Twarda	2xC50	Twarda	2x12,5		-	-	50	30,0	5500	-	-	-	57,0	(R)EI120	IV	●
100AA50/Hydro	2xC50	Hydro	2x12,5		-	-	50	50,0	5500	-	-	-	49,0	(R)EI120	IV	●
100AA50/Cicha	2xC50	Cicha	2x12,5		-	-	50	30,0	5500	-	-	-	57,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		100AA50/ Expert [4]	100AA50/ Expert	100AA50/ Woda	100AA50/ Expert + Ogień+	100AA50/ Ogień+ [5]	100AA50/ Ogień+ [5]	100AA50/ Ogień+	100AA50/ WodaOgień+	100AA50/ Twarda	100AA50/ Hydro	100AA50/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U50 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [6]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 61 dB

Maximum encasement height: 5500 mm

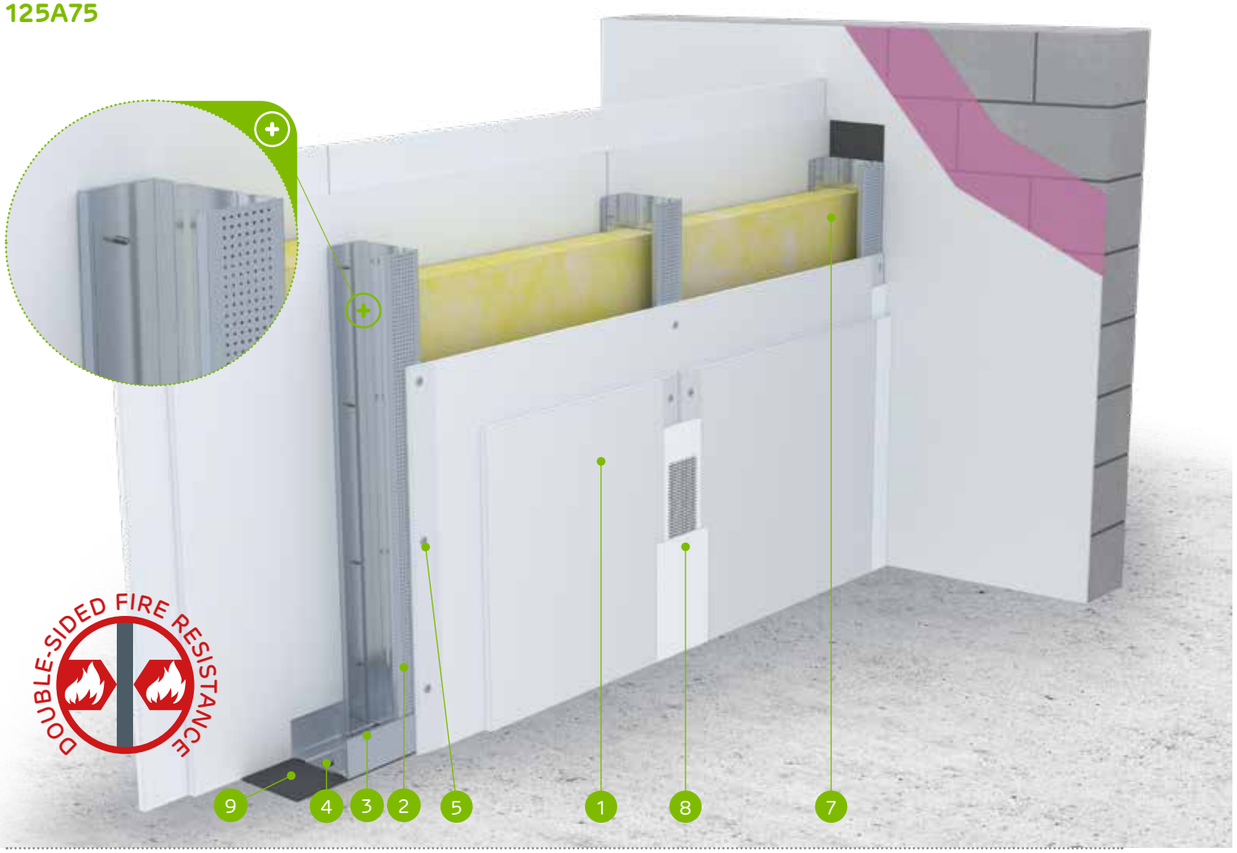
Weight of 1 m² of encasement: 35,0-55,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

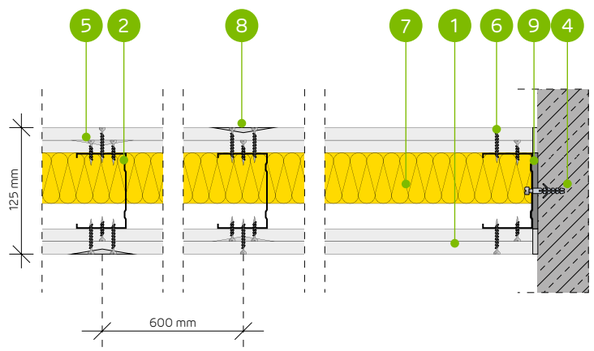
SYSTEMS:

125A75



MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm



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THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C75 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
125A75/Expert [5] [7]	C75	Expert	2x12,5	-	-	-	-	5500	45	42	35	35,0	(R)EI60	IV	-
125A75/Expert-Q [4]	C75	Expert	2x12,5	75	14,5	50	10,0	5500	59	55	49	35,0	(R)EI60	IV	-
125A75/Woda-Q [3] [4]	C75	Woda	2x12,5	75	14,5	50	10,0	5500	59	55	49	35,0	(R)EI60	IV	-
125A75/Expert	C75	Expert	2x12,5	75	14,5	50	10,0	5500	58	56	51	35,0	(R)EI60	IV	-
125A75/Woda [3]	C75	Woda	2x12,5	75	14,5	50	10,0	5500	58	56	51	35,0	(R)EI60	IV	-
125A75/Expert + Ogień+	C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	47	43	37	39,0	(R)EI90	IV	-
125A75/Ogień+ [6] [7]	C75	Ogień Plus	2x12,5	-	-	-	-	5500	49	46	39	43,0	(R)EI120	IV	-
125A75/Ogień+ [6] [7]	C75	Ogień Plus	2x12,5	75	10,0	50	10,0	5500	54	50	43	43,0	(R)EI120	IV	-
125A75/Ogień+	C75	Ogień Plus	2x12,5	75	14,5	50	30,0	5500	58	56	50	43,0	(R)EI120	IV	-
125A75/WodaOgień+	C75	Woda Ogień Plus	2x12,5	75	14,5	50	30,0	5500	58	56	50	43,0	(R)EI120	IV	-
125A75/Twarda	C75	Twarda	2x12,5	50	14,5	50	30,0	5500	60	58	53	55,0	(R)EI120	IV	●
125A75/Hydro	C75	Hydro	2x12,5	75	14,5	50	50,0	5500	58	56	50	47,0	(R)EI120	IV	●
125A75/Cicha	C75	Cicha	2x12,5	75	14,5	50	30,0	5500	61	60	55	55,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] The Siniat "Q" partition wall system, with increased quality of the surface finish - whole surface skimming. Meets the requirements of the Q3 and Q4 skimming level, acc. to EUROGYPSUM.
[5] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[6] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[7] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana												
		125A75/ Expert [4]	125A75/ Expert-Q	125A75/ Woda-Q	125A75/ Expert	125A75/ Woda	125A75/ Expert + Ogień+	125A75/ Ogień+ [5]	125A75/ Ogień+ [5]	125A75/ Ogień+	125A75/ WodaOgień+	125A75/ Twarda	125A75/ Hydro	125A75/ Cicha
		Consumption of material per 1 m²												
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U75 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [8]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Perfect gypsum finishing compound	kg	-	2,0	2,0	-	-	-	-	-	-	-	-	-	-
Nida Hydromix ready-to-use joint filler [9]	kg	-	-	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [10]	m²	-	1,0	1,0	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

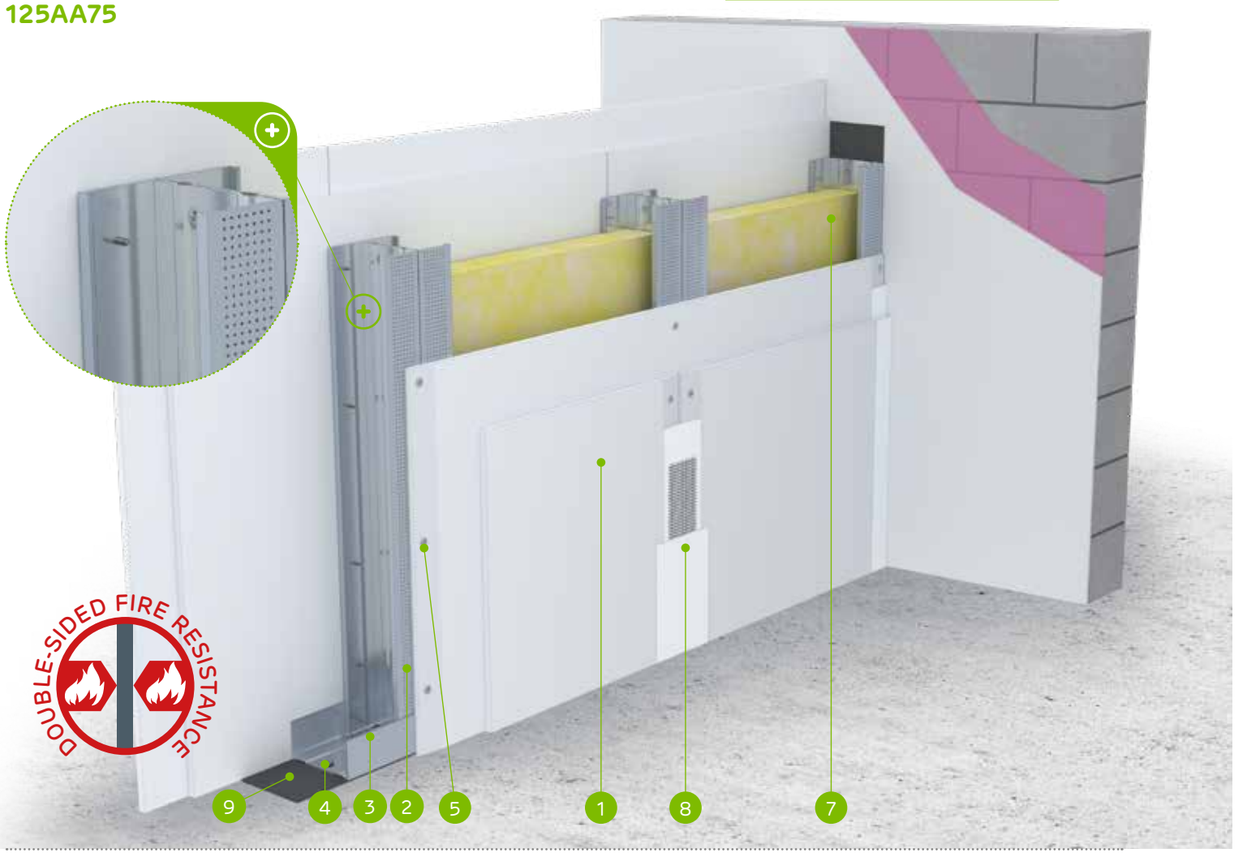
[8] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[9] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[10] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	6500 mm	37,0-56,0 kg	ETA 15/0301

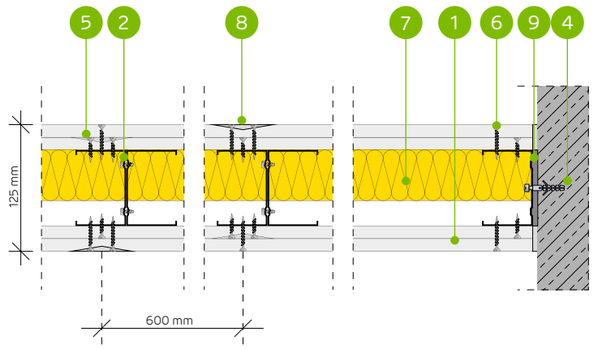
Declaration of Performance:
DoP/Wall System /0001/15.11.2016

SYSTEMS:
125AA75



MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile (doubled)
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm



THE PARTITION WALL SYSTEM ON A DOUBLED STRUCTURE OF THE NIDA C75 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
125AA75/Expert [4]	2xC75	Expert	2x12,5	-	-	-	-	6500	-	-	-	37,0	(R)EI60	IV	-
125AA75/Expert	2xC75	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	37,0	(R)EI60	IV	-
125AA75/Woda [3]	2xC75	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	37,0	(R)EI60	IV	●
125AA75/Expert + Ogień+	2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI90	IV	●
125AA75/Ogień+ [5]	2xC75	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI120	IV	●
125AA75/Ogień+ [5]	2xC75	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	45,0	(R)EI120	IV	●
125AA75/Ogień+	2xC75	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	45,0	(R)EI120	IV	●
125AA75/WodaOgień+	2xC75	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	45,0	(R)EI120	IV	●
125AA75/Twarda	2xC75	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	56,0	(R)EI120	IV	●
125AA75/Hydro	2xC75	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	48,0	(R)EI120	IV	●
125AA75/Cicha	2xC75	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	56,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		125AA75/ Expert [4]	125AA75/ Expert	125AA75/ Woda	125AA75/ Expert + Ogień+	125AA75/ Ogień+ [5]	125AA75/ Ogień+ [5]	125AA75/ Ogień+	125AA75/ WodaOgień+	125AA75/ Twarda	125AA75/ Hydro	125AA75/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U75 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [6]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 63 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 36,0-55,0 kg

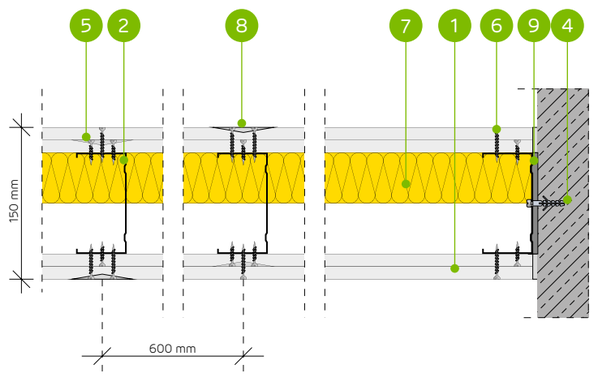
Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

SYSTEMS:
150A100

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 95 mm



THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
150A100/Expert [4] [6]	C100	Expert	2x12,5	-	-	-	-	6500	47	44	38	36,0	(R)EI60	IV	-
150A100/Expert	C100	Expert	2x12,5	100	14,5	50	10,0	6500	58	56	50	36,0	(R)EI60	IV	-
150A100/Expert	C100	Expert	2x12,5	100	38,0	50	10,0	6500	59	55	49	36,0	(R)EI60	IV	-
150A100/Woda [3]	C100	Woda	2x12,5	100	14,5	50	10,0	6500	58	56	50	36,0	(R)EI60	IV	-
150A100/Woda [3]	C100	Woda	2x12,5	100	38,0	50	10,0	6500	59	55	49	36,0	(R)EI60	IV	-
150A100/Expert + Ogień+	C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	49	45	40	40,0	(R)EI90	IV	-
150A100/Ogień+ [5] [6]	C100	Ogień Plus	2x12,5	-	-	-	-	6500	51	48	42	44,0	(R)EI120	IV	-
150A100/Ogień+ [5] [6]	C100	Ogień Plus	2x12,5	100	10,0	50	10,0	6500	56	53	47	44,0	(R)EI120	IV	-
150A100/Ogień+	C100	Ogień Plus	2x12,5	100	14,5	50	30,0	6500	59	57	53	44,0	(R)EI120	IV	-
150A100/WodaOgień+	C100	Woda Ogień Plus	2x12,5	100	14,5	50	30,0	6500	59	57	53	44,0	(R)EI120	IV	-
150A100/Twarda	C100	Twarda	2x12,5	100	14,5	50	30,0	6500	62	60	56	55,0	(R)EI120	IV	●
150A100/Hydro	C100	Hydro	2x12,5	100	14,5	50	50,0	6500	59	57	53	47,0	(R)EI120	IV	●
150A100/Cicha	C100	Cicha	2x12,5	100	14,5	50	30,0	6500	63	61	57	55,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana												
		150A100/ Expert [4]	150A100/ Expert	150A100/ Expert	150A100/ Woda	150A100/ Woda	150A100/ Expert + Ogień+	150A100/ Ogień+ [5]	150A100/ Ogień+ [5]	150A100/ Ogień+	150A100/ WodaOgień+	150A100/ Twarda	150A100/ Hydro	150A100/ Cicha
		Consumption of material per 1 m²												
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	4,0	-	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	-	4,0	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U100 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [7]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	1,0	1,0	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: N/A

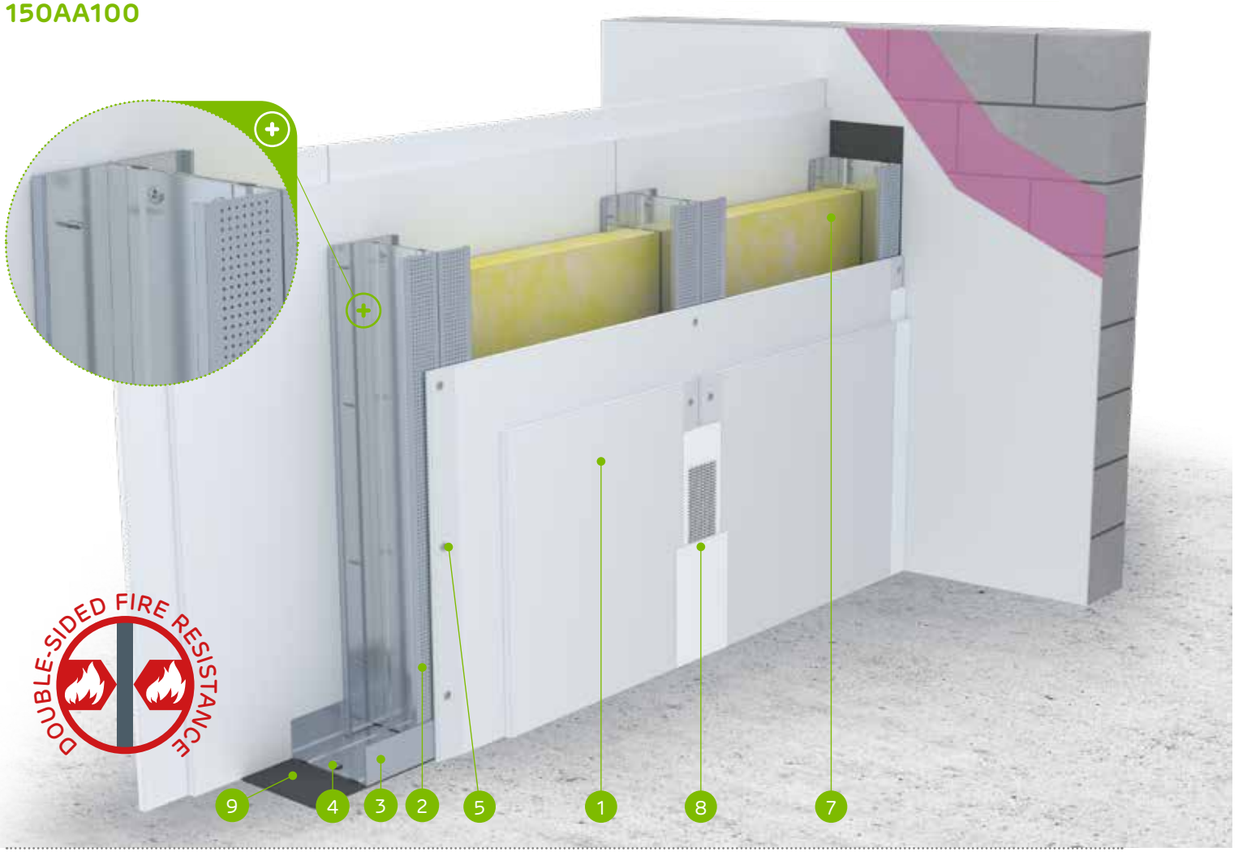
Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 37,0-57,0 kg

Number of related document: ETA 15/0301

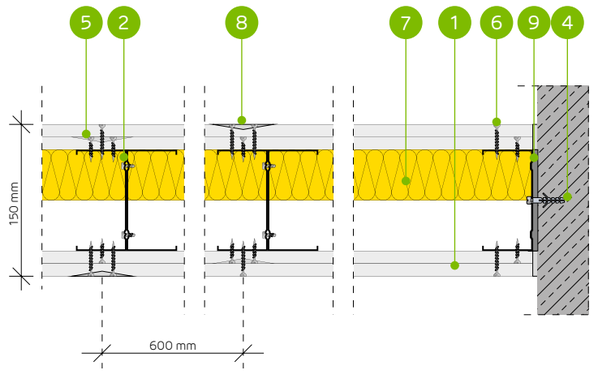
Declaration of Performance: DoP/Wall System /0001/15.11.2016

SYSTEMS:
150AA100



MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile (doubled)
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 95 mm



THE PARTITION WALL SYSTEM ON A DOUBLED STRUCTURE OF THE NIDA C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
150AA100/Expert [4]	2xC100	Expert	2x12,5	-	-	-	-	6500	-	-	-	37,0	(R)EI60	IV	-
150AA100/Expert	2xC100	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	37,0	(R)EI60	IV	-
150AA100/Woda [3]	2xC100	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	37,0	(R)EI60	IV	●
150AA100/Expert + Ogień+	2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI90	IV	●
150AA100/Ogień+ [5]	2xC100	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI120	IV	●
150AA100/Ogień+ [5]	2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	45,0	(R)EI120	IV	●
150AA100/Ogień+	2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	45,0	(R)EI120	IV	●
150AA100/WodaOgień+	2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	45,0	(R)EI120	IV	●
150AA100/Twarda	2xC100	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	57,0	(R)EI120	IV	●
150AA100/Hydro	2xC100	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	49,0	(R)EI120	IV	●
150AA100/Cicha	2xC100	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	57,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		150AA100/ Expert [4]	150AA100/ Expert	150AA100/ Woda	150AA100/ Expert + Ogień+	150AA100/ Ogień+ [5]	150AA100/ Ogień+ [5]	150AA100/ Ogień+	150AA100/ WodaOgień+	150AA100/ Twarda	150AA100/ Hydro	150AA100/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U100 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [6]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: **(R)EI120**

Maximum acoustic insulation: **57 dB**

Maximum encasement height: **4500 mm**

Weight of 1 m² of encasement: **55,0-112,0 kg**

Number of related document: **ETA 15/0301**

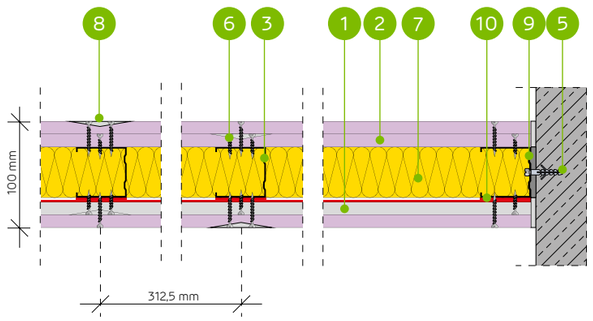
Declaration of Performance: **DoP/Wall System /0011/15.11.2016**

SYSTEMS:

100A50/RTG

MATERIALS:

1. Nida RTG plasterboard with lead coating
2. Nida Ogień Plus plasterboard
3. Nida C 50 profile
4. Nida U 50 profile
5. Anchoring element
6. Nida 3.5 x 45 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 mm
10. Self-adhesive tape with lead



THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50 (NIDA RTG)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
100A50/RTG-0,5	C50	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+0,5)	50	14,5	50	30,0	4500	57	55	49	55,0	(R)EI120	III/IV	●
100A50/RTG-1,0	C50	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+1,0)	50	14,5	50	30,0	4500	57	55	49	66,0	(R)EI120	III/IV	●
100A50/RTG-1,5	C50	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+1,5)	50	14,5	50	30,0	4500	57	55	49	78,0	(R)EI120	III/IV	●
100A50/RTG-2,0	C50	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+2,0)	50	14,5	50	30,0	4500	57	55	49	89,0	(R)EI120	III/IV	●
100A50/RTG-2,5	C50	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+2,5)	50	14,5	50	30,0	4500	57	55	49	101,0	(R)EI120	III/IV	●
100A50/RTG-3,0	C50	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+3,0)	50	14,5	50	30,0	4500	57	55	49	112,0	(R)EI120	III/IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		100A50/RTG-0,5	100A50/RTG-1,0	100A50/RTG-1,5	100A50/RTG-2,0	100A50/RTG-2,5	100A50/RTG-3,0
		Consumption of material per 1 m²					
Nida RTG 12,5 mm plasterboard + 0.5 mm	m²	1,0	-	-	-	-	-
Nida RTG 12,5 mm plasterboard + 1.0 mm	m²	-	1,0	-	-	-	-
Nida RTG 12,5 mm plasterboard + 1.5 mm	m²	-	-	1,0	-	-	-
Nida RTG 12,5 mm plasterboard + 2.0 mm	m²	-	-	-	1,0	-	-
Nida RTG 12,5 mm plasterboard + 2.5 mm	m²	-	-	-	-	1,0	-
Nida RTG 12,5 mm plasterboard + 3.0 mm	m²	-	-	-	-	-	1,0
Nida Ogień Plus 12,5 mm plasterboard	m²	3,0	3,0	3,0	3,0	3,0	3,0
Nida C50 profile	lm	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]
Nida U50 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [3]	pcs.	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]
Nida 3.5x45 mm sheet metal screws	pcs.	32,0 (64,0) [4]	32,0 (64,0) [4]	32,0 (64,0) [4]	32,0 (64,0) [4]	32,0 (64,0) [4]	32,0 (64,0) [4]
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida RTG tape with lead (self-adhesive) [5]	lm	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [6]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] With a spacing of 312.5 mm.
[5] Selection of the lead tape thickness according to the type of the applied sheathing.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

www.siniat.pl

Nida systems search engine
www.systemynida.pl

Explore the characteristics of the Nida RTG board – enter www.siniat.pl and download the brochure!

nida Ściana

Fire resistance class: (R)EI120

Maximum acoustic insulation: 58 dB

Maximum encasement height: 5500 mm

Weight of 1 m² of encasement: 55,0-112,0 kg

Number of related document: ETA 15/0301

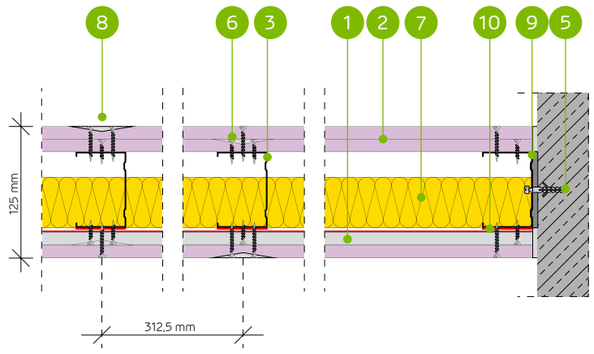
Declaration of Performance: DoP/Wall System /0011/15.11.2016

SYSTEMS:

125A75/RTG

MATERIALS:

1. Nida RTG plasterboard with lead coating
2. Nida Ogień Plus plasterboard
3. Nida C 75 profile
4. Nida U 75 profile
5. Anchoring element
6. Nida 3.5 x 45 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm
10. Self-adhesive tape with lead



THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C75 (NIDA RTG)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{in} [dB]	R_{ex} [dB]	[kg]	[min]	ETAG 003 class	
125A75/RTG-0,5	C75	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+0,5)	75	14,5	50	30,0	5500	58	56	50	55,0	(R)EI120	IV	●
125A75/RTG-1,0	C75	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+1,0)	75	14,5	50	30,0	5500	58	56	50	67,0	(R)EI120	IV	●
125A75/RTG-1,5	C75	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+1,5)	75	14,5	50	30,0	5500	58	56	50	78,0	(R)EI120	IV	●
125A75/RTG-2,0	C75	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+2,0)	75	14,5	50	30,0	5500	58	56	50	89,0	(R)EI120	IV	●
125A75/RTG-2,5	C75	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+2,5)	75	14,5	50	30,0	5500	58	56	50	101,0	(R)EI120	IV	●
125A75/RTG-3,0	C75	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+3,0)	75	14,5	50	30,0	5500	58	56	50	112,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		125A75/RTG-0,5	125A75/RTG-1,0	125A75/RTG-1,5	125A75/RTG-2,0	125A75/RTG-2,5	125A75/RTG-3,0
		Consumption of material per 1 m²					
Nida RTG 12,5 mm plasterboard + 0.5 mm	m²	1,0	-	-	-	-	-
Nida RTG 12,5 mm plasterboard + 1.0 mm	m²	-	1,0	-	-	-	-
Nida RTG 12,5 mm plasterboard + 1.5 mm	m²	-	-	1,0	-	-	-
Nida RTG 12,5 mm plasterboard + 2.0 mm	m²	-	-	-	1,0	-	-
Nida RTG 12,5 mm plasterboard + 2.5 mm	m²	-	-	-	-	1,0	-
Nida RTG 12,5 mm plasterboard + 3.0 mm	m²	-	-	-	-	-	1,0
Nida Ogień Plus 12,5 mm plasterboard	m²	3,0	3,0	3,0	3,0	3,0	3,0
Nida C75 profile	lm	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]
Nida U75 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [3]	pcs.	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]
Nida 3.5x45 mm sheet metal screws	pcs.	32,0 (64,0) [4]	32,0 (64,0) [4]	32,0 (64,0) [4]	32,0 (64,0) [4]	32,0 (64,0) [4]	32,0 (64,0) [4]
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida RTG tape with lead (self-adhesive) [5]	lm	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [6]	m²	1,0	1,0	1,0	1,0	1,0	1,0

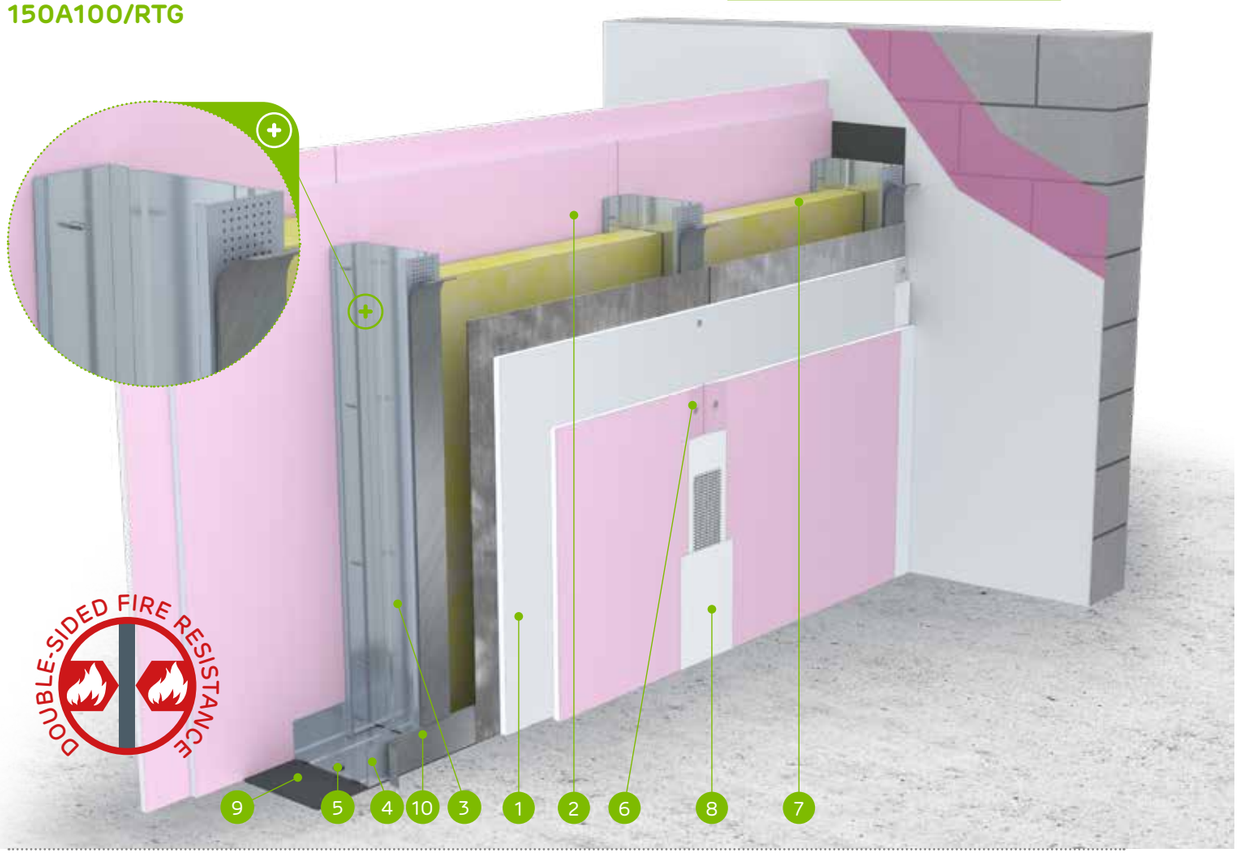
[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] With a spacing of 312.5 mm.
[5] Selection of the lead tape thickness according to the type of the applied sheathing.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI120	59 dB	6500 mm	56,0-113,0 kg	ETA 15/0301

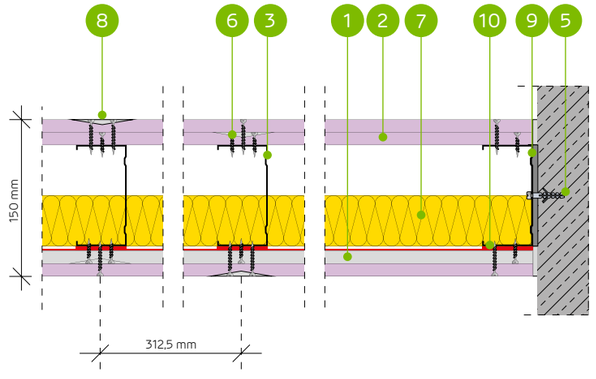
Declaration of Performance:
DoP/Wall System /0011/15.11.2016

SYSTEMS:
150A100/RTG



MATERIALS:

1. Nida RTG plasterboard with lead coating
2. Nida Ogień Plus plasterboard
3. Nida C 100 profile
4. Nida U 100 profile
5. Anchoring element
6. Nida 3.5 x 45 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 95 mm
10. Self-adhesive tape with lead



THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C100 (NIDA RTG)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{in} [dB]	R_{ex} [dB]	[kg]	[min]	ETAG 003 class	
150A100/RTG-0,5	C100	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+0,5)	100	14,5	50	30,0	6500	59	57	53	56,0	(R)EI120	IV	●
150A100/RTG-1,0	C100	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+1,0)	100	14,5	50	30,0	6500	59	57	53	67,0	(R)EI120	IV	●
150A100/RTG-1,5	C100	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+1,5)	100	14,5	50	30,0	6500	59	57	53	78,0	(R)EI120	IV	●
150A100/RTG-2,0	C100	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+2,0)	100	14,5	50	30,0	6500	59	57	53	90,0	(R)EI120	IV	●
150A100/RTG-2,5	C100	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+2,5)	100	14,5	50	30,0	6500	59	57	53	101,0	(R)EI120	IV	●
150A100/RTG-3,0	C100	Ogień Plus / Ogień Plus + RTG	2x12,5/2x(12,5+3,0)	100	14,5	50	30,0	6500	59	57	53	113,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		150A100/RTG-0,5	150A100/RTG-1,0	150A100/RTG-1,5	150A100/RTG-2,0	150A100/RTG-2,5	150A100/RTG-3,0
		Consumption of material per 1 m²					
Nida RTG 12,5 mm plasterboard + 0.5 mm	m²	1,0	-	-	-	-	-
Nida RTG 12,5 mm plasterboard + 1.0 mm	m²	-	1,0	-	-	-	-
Nida RTG 12,5 mm plasterboard + 1.5 mm	m²	-	-	1,0	-	-	-
Nida RTG 12,5 mm plasterboard + 2.0 mm	m²	-	-	-	1,0	-	-
Nida RTG 12,5 mm plasterboard + 2.5 mm	m²	-	-	-	-	1,0	-
Nida RTG 12,5 mm plasterboard + 3.0 mm	m²	-	-	-	-	-	1,0
Nida Ogień Plus 12,5 mm plasterboard	m²	3,0	3,0	3,0	3,0	3,0	3,0
Nida C100 profile	lm	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]
Nida U100 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [3]	pcs.	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]	0,9 (1,8) [4]
Nida 3.5x45 mm sheet metal screws	pcs.	32,0 (64,0) [4]	32,0 (64,0) [4]	32,0 (64,0) [4]	32,0 (64,0) [4]	32,0 (64,0) [4]	32,0 (64,0) [4]
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida RTG tape with lead (self-adhesive) [5]	lm	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]	1,8 (3,6) [4]
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [6]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] With a spacing of 312.5 mm.
[5] Selection of the lead tape thickness according to the type of the applied sheathing.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI120

Maximum acoustic insulation: 58 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 58,0-61,0 kg

Number of related document: ETA 15/0301

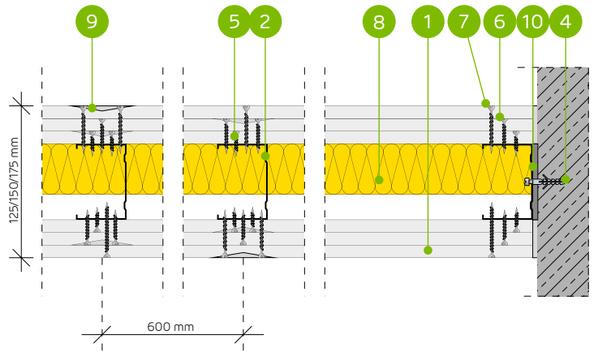
Declaration of Performance: DoP/Wall System /0001/15.11.2016

SYSTEMS:

125A50; 150A75; 175A100; 125AA50; 150AA75; 175AA100

MATERIALS:

1. Nida Ogień Typ F 12,5 mm plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Nida 3.5 x 55 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
125A50/OgieńTypF	C50	Ogień Typ F	3x12,5	50	14,5	50	10,0	4500	54	50	43	58,0	(R)EI120	IV	-
150A75/OgieńTypF	C75	Ogień Typ F	3x12,5	75	14,5	50	10,0	5500	57	54	48	59,0	(R)EI120	IV	-
175A100/OgieńTypF	C100	Ogień Typ F	3x12,5	100	14,5	50	10,0	6500	58	56	50	59,0	(R)EI120	IV	-
125AA50/OgieńTypF	2xC50	Ogień Typ F	3x12,5	-	-	50	10,0	5500	-	-	-	60,0	(R)EI120	IV	-
150AA75/OgieńTypF	2xC75	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	60,0	(R)EI120	IV	-
175AA100/OgieńTypF	2xC100	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	61,0	(R)EI120	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		125A50/ OgieńTypF	150A75/ OgieńTypF	175A100/ OgieńTypF	125AA50/ OgieńTypF	150AA75/ OgieńTypF	175AA100/ OgieńTypF
		Consumption of material per 1 m²					
Nida Ogień Type F 12,5 mm plasterboard	m²	6,0	6,0	6,0	6,0	6,0	6,0
Nida C50 profile	lm	1,8	-	-	3,6	-	-
Nida C75 profile	lm	-	1,8	-	-	3,6	-
Nida C100 profile	lm	-	-	1,8	-	-	3,6
Nida U50 profile	lm	0,7	-	-	0,7	-	-
Nida U75 profile	lm	-	0,7	-	-	0,7	-
Nida U100 profile	lm	-	-	0,7	-	-	0,7
Anchoring element [3]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	-	-	-	6,0	6,0	6,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x35 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x55 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,8	1,8	1,8	1,8	1,8	1,8
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [4]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: **(R)IE180**

Maximum acoustic insulation: **58 dB**

Maximum encasement height: **6500 mm**

Weight of 1 m² of encasement: **64,0-67,0 kg**

Number of related document: **ETA 15/0301**

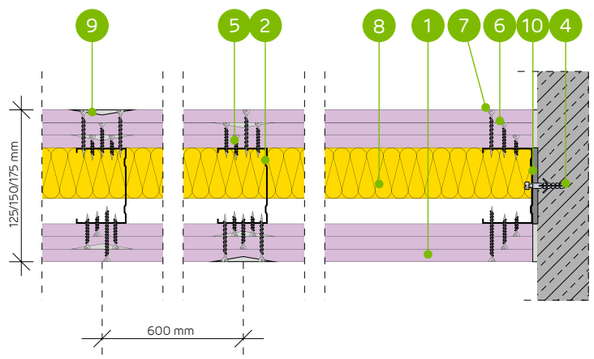
Declaration of Performance:
DoP/Wall System /0001/15.11.2016

SYSTEMS:

125A50; 150A75; 175A100; 125AA50; 150AA75; 175AA100

MATERIALS:

1. Nida Ogień Plus 12,5 mm plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Nida 3.5 x 55 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
125A50/Ogień+	C50	Ogień Plus	3x12,5	50	14,5	50	50,0	4500	54	50	43	64,0	(R)EI180	IV	-
150A75/Ogień+	C75	Ogień Plus	3x12,5	75	14,5	50	50,0	5500	57	54	48	65,0	(R)EI180	IV	-
175A100/Ogień+	C100	Ogień Plus	3x12,5	100	14,5	50	50,0	6500	58	56	50	65,0	(R)EI180	IV	-
125AA50/Ogień+	2xC50	Ogień Plus	3x12,5	-	-	50	50,0	5500	-	-	-	66,0	(R)EI180	IV	-
150AA75/Ogień+	2xC75	Ogień Plus	3x12,5	-	-	50	50,0	6500	-	-	-	66,0	(R)EI180	IV	-
175AA100/Ogień+	2xC100	Ogień Plus	3x12,5	-	-	50	50,0	6500	-	-	-	67,0	(R)EI180	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		125A50/Ogień+	150A75/Ogień+	175A100/Ogień+	125AA50/Ogień+	150AA75/Ogień+	175AA100/Ogień+
		Consumption of material per 1 m²					
Nida Ogień Plus 12,5 mm plasterboard	m²	6,0	6,0	6,0	6,0	6,0	6,0
Nida C50 profile	lm	1,8	-	-	3,6	-	-
Nida C75 profile	lm	-	1,8	-	-	3,6	-
Nida C100 profile	lm	-	-	1,8	-	-	3,6
Nida U50 profile	lm	0,7	-	-	0,7	-	-
Nida U75 profile	lm	-	0,7	-	-	0,7	-
Nida U100 profile	lm	-	-	0,7	-	-	0,7
Anchoring element [3]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	-	-	-	6,0	6,0	6,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x35 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x55 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,8	1,8	1,8	1,8	1,8	1,8
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [4]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: N/A

Maximum acoustic insulation: N/A

Maximum encasement height: 7750 mm

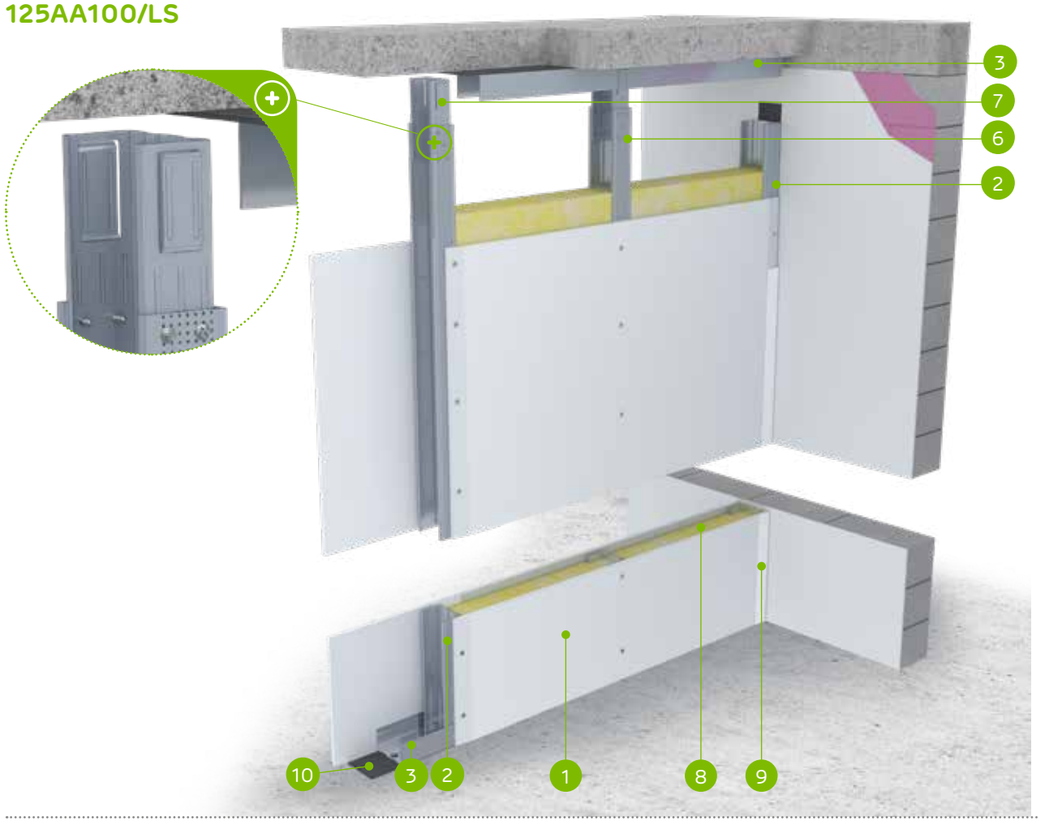
Weight of 1 m² of encasement: 14,0-17,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

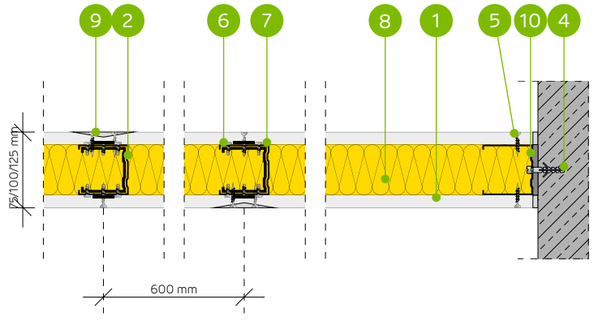
SYSTEMS:

75A50/LS; 100A75/LS; 125A100/LS; 75AA50/LS; 100AA75/LS; 125AA100/LS



MATERIALS:

1. Nida plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal
7. Nida LS 50 / LS 75 / LS 100 stabilising connector
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE PARTITION WALL SYSTEM WITH PARTIAL SHEATHING ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (NIDA LS)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
75A50/LS/Expert	C50	Expert	12,5	50	10,0	-	-	3250	-	-	-	14,0	-	III	-
100A75/LS/Expert	C75	Expert	12,5	75	10,0	-	-	4500	-	-	-	14,0	-	III	-
125A100/LS/Expert	C100	Expert	12,5	100	10,0	-	-	5000	-	-	-	15,0	-	IV	-
75AA50/LS/Expert	2xC50	Expert	12,5	50	10,0	-	-	4250	-	-	-	16,0	-	III	-
100AA75/LS/Expert	2xC75	Expert	12,5	75	10,0	-	-	6750	-	-	-	16,0	-	IV	-
125AA100/LS/Expert	2xC100	Expert	12,5	100	10,0	-	-	7750	-	-	-	17,0	-	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1; ITB 1060/12/R42NK.
[2] European Technical Assessment ETA 15/0301.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		75A50/LS/Expert	100A75/LS/Expert	125A100/LS/Expert	75AA50/LS/Expert	100AA75/LS/Expert	125AA100/LS/ Expert
		Consumption of material per 1 m²					
Nida Expert 12,5 mm plasterboard	m²	1,5	1,5	1,5	1,5	1,5	1,5
Nida C50 profile	lm	1,8	-	-	3,6	-	-
Nida C75 profile	lm	-	1,8	-	-	3,6	-
Nida C100 profile	lm	-	-	1,8	-	-	3,6
Nida U50 profile	lm	0,7	-	-	0,7	-	-
Nida U75 profile	lm	-	0,7	-	-	0,7	-
Nida U100 profile	lm	-	-	0,7	-	-	0,7
Nida LS 50 stabilising connector	pcs.	0,4	-	-	0,8	-	-
Nida LS 75 stabilising connector	pcs.	-	0,4	-	-	0,8	-
Nida LS 100 stabilising connector	pcs.	-	-	0,4	-	-	0,8
Anchoring element [3]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	5,0	5,0	5,0	10,0	10,0	10,0
Nida 3.5x25 mm sheet metal screws	pcs.	18,0	18,0	18,0	18,0	18,0	18,0
Nida reinforcement tape	lm	2,1	2,1	2,1	2,1	2,1	2,1
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,45	0,45	0,45	0,45	0,45	0,45
Nida Finish gypsum putty	kg	0,15	0,15	0,15	0,15	0,15	0,15
Mineral wool [4]	m²	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
[5] Optionally, apply insulation on the whole area of the wall.
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: N/A

Maximum acoustic insulation: N/A

Maximum encasement height: 9000 mm

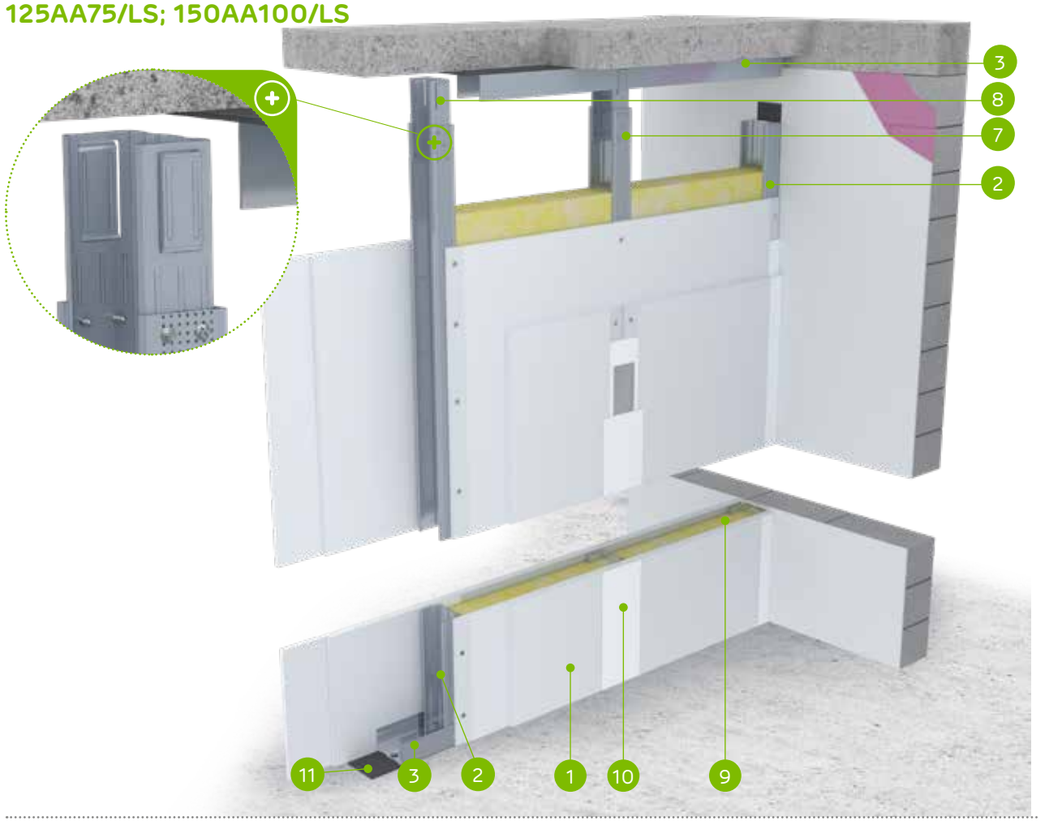
Weight of 1 m² of encasement: 27,0-29,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

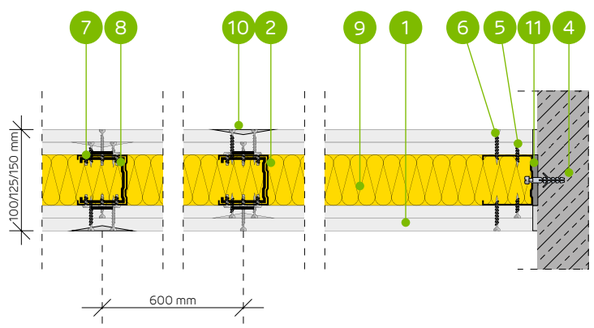
SYSTEMS:

100A50/LS; 125A75/LS; 150A100/LS; 100AA50/LS; 125AA75/LS; 150AA100/LS



MATERIALS:

1. Nida plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal
8. Nida LS 50 / LS 75 / LS 100 stabilising connector
9. Insulation material mineral wool
10. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
11. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE PARTITION WALL SYSTEM WITH PARTIAL SHEATHING ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (NIDA LS)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
100A50/LS/Expert	C50	Expert	2x12,5	50	10,0	-	-	4500	-	-	-	27,0	-	III/IV	-
125A75/LS/Expert	C75	Expert	2x12,5	75	10,0	-	-	5500	-	-	-	27,0	-	IV	-
150A100/LS/Expert	C100	Expert	2x12,5	100	10,0	-	-	6500	-	-	-	27,0	-	IV	-
100AA50/LS/Expert	2xC50	Expert	2x12,5	50	10,0	-	-	5500	-	-	-	28,0	-	IV	-
125AA75/LS/Expert	2xC75	Expert	2x12,5	75	10,0	-	-	7500	-	-	-	29,0	-	IV	-
150AA100/LS/Expert	2xC100	Expert	2x12,5	100	10,0	-	-	9000	-	-	-	29,0	-	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1; ITB 1060/12/R42NK.
[2] European Technical Assessment ETA 15/0301.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		100A50/LS/Expert	125A75/LS/Expert	150A100/LS/Expert	100AA50/LS/ Expert	125AA75/LS/Expert	150AA100/LS/ Expert
		Consumption of material per 1 m²					
Nida Expert 12,5 mm plasterboard	m²	3,0	3,0	3,0	3,0	3,0	3,0
Nida C50 profile	lm	1,8	-	-	3,6	-	-
Nida C75 profile	lm	-	1,8	-	-	3,6	-
Nida C100 profile	lm	-	-	1,8	-	-	3,6
Nida U50 profile	lm	0,7	-	-	0,7	-	-
Nida U75 profile	lm	-	0,7	-	-	0,7	-
Nida U100 profile	lm	-	-	0,7	-	-	0,7
Nida LS 50 stabilising connector	pcs.	0,4	-	-	0,8	-	-
Nida LS 75 stabilising connector	pcs.	-	0,4	-	-	0,8	-
Nida LS 100 stabilising connector	pcs.	-	-	0,4	-	-	0,8
Anchoring element [3]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	4,0	4,0	4,0	10,0	10,0	10,0
Nida 3.5x25 mm sheet metal screws	pcs.	6,0	6,0	6,0	6,0	6,0	6,0
Nida 3.5x35 mm sheet metal screws	pcs.	18,0	18,0	18,0	18,0	18,0	18,0
Nida reinforcement tape	lm	2,1	2,1	2,1	2,1	2,1	2,1
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,9	0,9	0,9	0,9	0,9	0,9
Nida Finish gypsum putty	kg	0,15	0,15	0,15	0,15	0,15	0,15
Mineral wool [4]	m²	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
[5] Optionally, apply insulation on the whole area of the wall.
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: **(R)EI90**

Maximum acoustic insulation: **63 dB**

Maximum encasement height: **4500 mm**

Weight of 1 m² of encasement: **45,0 kg**

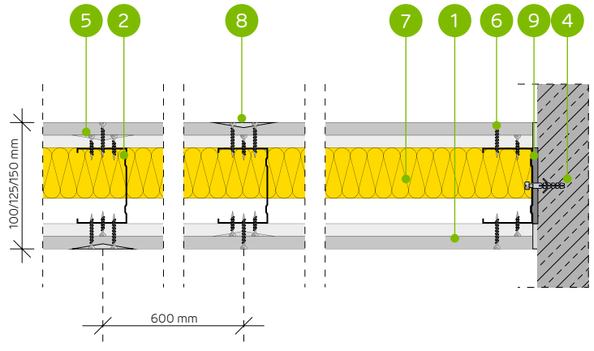
Number of related document: **ETA 15/0301**

Declaration of Performance:
DoP/Wall System /0001/15.11.2016

SYSTEMS:
100A50; 125A75; 150A100

MATERIALS:

1. Nida Expert plasterboard + Nida Twarda plaster-particle board with fibres
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. FixDens 4.2 x 42 mm screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (HYBRID WALLS – EXPERT/TWARDA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
100A50/Expert+Twarda	C50	Expert+Twarda	12,5+12,5	50	14,5	-	-	4500	58	55	49	45,0	(R)EI90	III/IV	●
100A50/Woda+Twarda	C50	Woda+Twarda	12,5+12,5	50	14,5	-	-	4500	58	55	49	45,0	(R)EI90	III/IV	●
125A75/Expert+Twarda	C75	Expert+Twarda	12,5+12,5	75	14,5	-	-	5500	58	55	49	45,0	(R)EI90	IV	●
125A75/Woda+Twarda	C75	Woda+Twarda	12,5+12,5	75	14,5	-	-	5500	58	55	49	45,0	(R)EI90	IV	●
150A100/Expert+Twarda	C100	Expert+Twarda	12,5+12,5	100	14,5	-	-	6500	63	62	58	45,0	(R)EI90	IV	●
150A100/Woda+Twarda	C100	Woda+Twarda	12,5+12,5	100	14,5	-	-	6500	63	62	58	45,0	(R)EI90	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		100A50/ Expert+Twarda	100A50/ Woda+Twarda	125A75/ Expert+Twarda	125A75/ Woda+Twarda	150A100/ Expert+Twarda	150A100/ Woda+Twarda
		Consumption of material per 1 m²					
Nida Expert 12,5 mm plasterboard	m²	2,0	-	2,0	-	2,0	-
Nida Woda 12,5 mm plasterboard	m²	-	2,0	-	2,0	-	2,0
Nida Twarda 12,5 mm plasterboard	m²	2,0	2,0	2,0	2,0	2,0	2,0
Nida C50 profile	lm	1,8	1,8	-	-	-	-
Nida C75 profile	lm	-	-	1,8	1,8	-	-
Nida C100 profile	lm	-	-	-	-	1,8	1,8
Nida U50 profile	lm	0,7	0,7	-	-	-	-
Nida U75 profile	lm	-	-	0,7	0,7	-	-
Nida U100 profile	lm	-	-	-	-	0,7	0,7
Anchoring element [3]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
FixDens 4.2x42 mm screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,6	0,6	0,6	0,6	0,6	0,6
Nida Hydromix ready-to-use joint filler [4]	kg	0,6	0,6	0,6	0,6	0,6	0,6
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [5]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[5] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

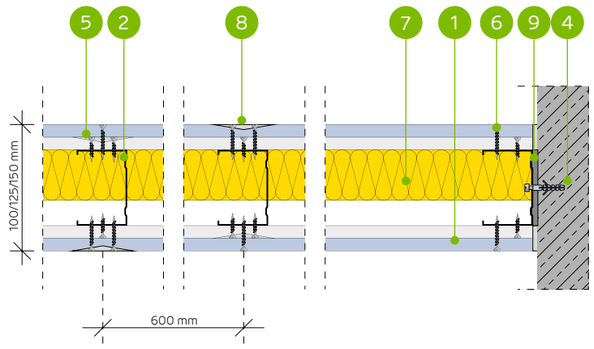
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90	62 dB	6500 mm	45,0 kg	ETA 15/0301

Declaration of Performance:
DoP/Wall System /0001/15.11.2016

SYSTEMS:
100A50; 125A75; 150A100

MATERIALS:

1. Nida Expert + Nida Cicha plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. FixDens 4.2 x 42 mm screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (HYBRID WALLS – EXPERT/CICHA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
100A50/Expert+Cicha typ A	C50	Expert+Cicha typ A	12,5+12,5	50	38,0	-	-	4500	56	52	45	45,0	(R)EI60	III/IV	●
100A50/Woda+Cicha typ A	C50	Woda+Cicha typ A	12,5+12,5	50	38,0	-	-	4500	56	52	45	45,0	(R)EI60	III/IV	●
125A75/Expert+Cicha typ A	C75	Expert+Cicha typ A	12,5+12,5	75	15,0	-	-	5500	62	60	54	45,0	(R)EI60	IV	●
125A75/Woda+Cicha typ A	C75	Woda+Cicha typ A	12,5+12,5	75	15,0	-	-	5500	62	60	54	45,0	(R)EI60	IV	●
150A100/Expert+Cicha typ A	C100	Expert+Cicha typ A	12,5+12,5	75	15,0	-	-	6500	62	60	54	45,0	(R)EI60	IV	●
150A100/Woda+Cicha typ A	C100	Woda+Cicha typ A	12,5+12,5	75	15,0	-	-	6500	62	60	54	45,0	(R)EI60	IV	●
100A50/Expert+Cicha	C50	Expert+Cicha [3]	12,5+12,5	50	38,0	-	-	4500	56	52	45	45,0	(R)EI90	III/IV	●
100A50/Woda+Cicha	C50	Woda+Cicha [3]	12,5+12,5	50	38,0	-	-	4500	56	52	45	45,0	(R)EI90	III/IV	●
125A75/Expert+Cicha	C75	Expert+Cicha [3]	12,5+12,5	75	15,0	-	-	5500	62	60	54	45,0	(R)EI90	IV	●
125A75/Woda+Cicha	C75	Woda+Cicha [3]	12,5+12,5	75	15,0	-	-	5500	62	60	54	45,0	(R)EI90	IV	●
150A100/Expert+Cicha	C100	Expert+Cicha [3]	12,5+12,5	75	15,0	-	-	6500	62	60	54	45,0	(R)EI90	IV	●
150A100/Woda+Cicha	C100	Woda+Cicha [3]	12,5+12,5	75	15,0	-	-	6500	62	60	54	45,0	(R)EI90	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] As an alternative the NIDA Ciężka type DFH1IR should be utilised.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana											
		100A50/ Expert+Cicha typ A	100A50/ Woda+Cicha typ A	125A75/ Expert+Cicha typ A	125A75/ Woda+Cicha typ A	150A100/ Expert+Cicha typ A	150A100/ Woda+Cicha typ A	100A50/ Expert+Cicha	100A50/ Woda+Cicha	125A75/ Expert+Cicha	125A75/ Woda+Cicha	150A100/ Expert+Cicha	150A100/ Woda+Cicha
		Consumption of material per 1 m²											
Nida Expert 12,5 mm plasterboard	m²	2,0	-	2,0	-	2,0	-	2,0	-	2,0	-	2,0	-
Nida Woda 12,5 mm plasterboard	m²	-	2,0	-	2,0	-	2,0	-	2,0	-	2,0	-	2,0
Nida Cicha type A 12,5 mm plasterboard	m²	2,0	2,0	2,0	2,0	2,0	2,0	-	-	-	-	-	-
Nida Cicha type DFH1IR 12,5 mm plasterboard	m²	-	-	-	-	-	-	2,0	2,0	2,0	2,0	2,0	2,0
Nida C50 profile	lm	1,8	1,8	-	-	-	-	1,8	1,8	-	-	-	-
Nida C75 profile	lm	-	-	1,8	1,8	-	-	-	-	1,8	1,8	-	-
Nida C100 profile	lm	-	-	-	-	1,8	1,8	-	-	-	-	1,8	1,8
Nida U50 profile	lm	0,7	0,7	-	-	-	-	0,7	0,7	-	-	-	-
Nida U75 profile	lm	-	-	0,7	0,7	-	-	-	-	0,7	0,7	-	-
Nida U100 profile	lm	-	-	-	-	0,7	0,7	-	-	-	-	0,7	0,7
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0
FixDens 4.2x42 mm screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [5]	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0

[4] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[5] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI120

Maximum acoustic insulation: 63 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 54,0-55,0 kg

Number of related document: ETA 15/0301

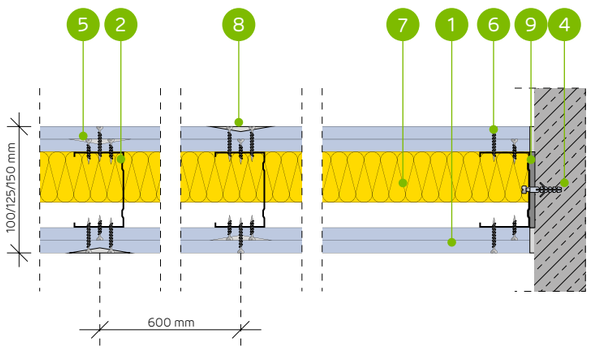
Declaration of Performance: DoP/Wall System /0001/15.11.2016

SYSTEMS:

100A50; 125A75; 150A100

MATERIALS:

1. Nida Cicha typ A or Nida Cicha typ DFH1IR plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. FixDens 4.2 x 25 mm screws
6. FixDens 4.2 x 42 mm screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON SINGLE LOAD-BEARING STRUCTURES OF THE NIDA C50, C75, C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
100A50/Cicha typ A	C50	Cicha typ A	2x12,5	50	14,5	50	30,0	4500	60	57	52	54,0	(R)EI60	III/IV	●
125A75/Cicha typ A	C75	Cicha typ A	2x12,5	75	14,5	50	30,0	5500	61	60	55	55,0	(R)EI60	IV	●
150A100/Cicha typ A	C100	Cicha typ A	2x12,5	100	14,5	50	30,0	6500	63	61	57	55,0	(R)EI60	IV	●
100A50/Cicha	C50	Cicha [3]	2x12,5	50	14,5	50	30,0	4500	60	57	52	54,0	(R)EI120	III/IV	●
125A75/Cicha	C75	Cicha [3]	2x12,5	75	14,5	50	30,0	5500	61	60	55	55,0	(R)EI120	IV	●
150A100/Cicha	C100	Cicha [3]	2x12,5	100	14,5	50	30,0	6500	63	61	57	55,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] Nida Cicha board type DFH1IR; as an alternative the NIDA Ciężka type DFH1IR should be utilised.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		100A50/Cicha typ A	125A75/Cicha typ A	150A100/Cicha typ A	100A50/Cicha	125A75/Cicha	150A100/Cicha
		Consumption of material per 1 m²					
Nida Cicha type A 12,5 mm plasterboard	m²	4,0	4,0	4,0	-	-	-
Nida Cicha type DFH1IR 12,5 mm plasterboard	m²	-	-	-	4,0	4,0	4,0
Nida C50 profile	lm	1,8	-	-	1,8	-	-
Nida C75 profile	lm	-	1,8	-	-	1,8	-
Nida C100 profile	lm	-	-	1,8	-	-	1,8
Nida U50 profile	lm	0,7	-	-	0,7	-	-
Nida U75 profile	lm	-	0,7	-	-	0,7	-
Nida U100 profile	lm	-	-	0,7	-	-	0,7
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9
FixDens 4.2x25 mm screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
FixDens 4.2x42 mm screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [5]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[4] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[5] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: **N/A**

Maximum acoustic insulation: **56 dB**

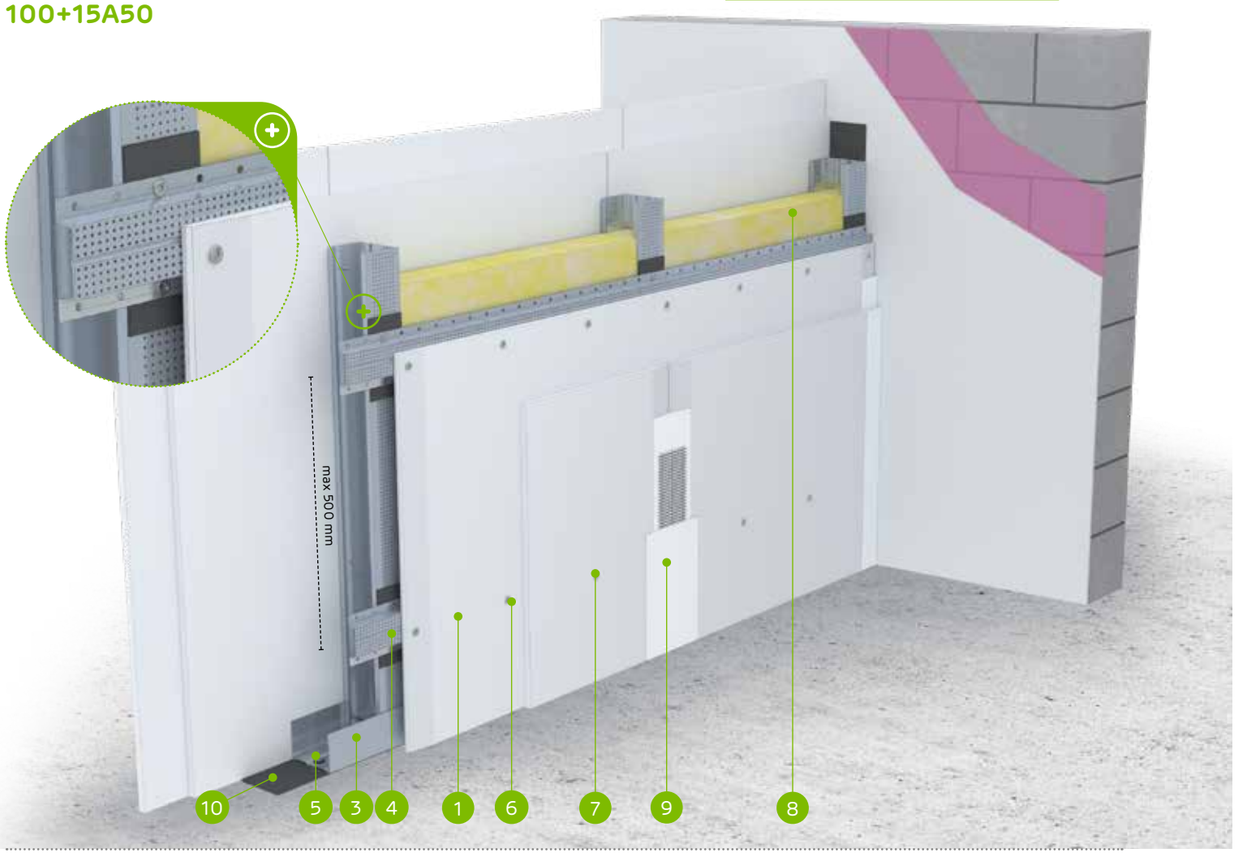
Maximum encasement height: **4500 mm**

Weight of 1 m² of encasement: **36,0-55,0 kg**

Number of related document: **ETA 15/0301**

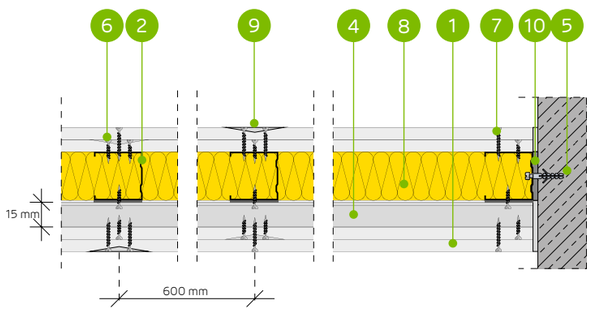
Declaration of Performance: **DoP/Wall System /0001/15.11.2016**

SYSTEMS:
100+15A50



MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile
3. Nida U 50 profile
4. Nida PK48 top-hat profile
5. Anchoring element
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 50 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50 + NIDA PK48 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
100+15A50/Expert [4] [6]	C50+PK48	Expert	2x12,5	-	-	-	-	4500	45	42	35	36,0	-	IV	-
100+15A50/Expert	C50+PK48	Expert	2x12,5	50	14,5	-	-	4500	56	52	45	36,0	-	IV	-
100+15A50/Woda [3]	C50+PK48	Woda	2x12,5	50	14,5	-	-	4500	56	52	45	36,0	-	IV	-
100+15A50/Expert + Ogień+	C50+PK48	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4500	47	44	37	40,0	-	IV	-
100+15A50/Ogień+ [5] [6]	C50+PK48	Ogień Plus	2x12,5	-	-	-	-	4500	50	46	39	44,0	-	IV	-
100+15A50/Ogień+ [5] [6]	C50+PK48	Ogień Plus	2x12,5	50	10,0	-	-	4500	55	51	43	44,0	-	IV	-
100+15A50/Ogień+	C50+PK48	Ogień Plus	2x12,5	50	14,5	-	-	4500	56	52	45	44,0	-	IV	-
100+15A50/WodaOgień+	C50+PK48	Woda Ogień Plus	2x12,5	50	14,5	-	-	4500	56	52	45	44,0	-	IV	-
100+15A50/Twarda	C50+PK48	Twarda	2x12,5	50	14,5	-	-	4500	56	52	45	55,0	-	IV	●
100+15A50/Hydro	C50+PK48	Hydro	2x12,5	50	14,5	-	-	4500	56	52	45	47,0	-	IV	●
100+15A50/Cicha	C50+PK48	Cicha	2x12,5	50	14,5	-	-	4500	56	52	45	55,0	-	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		100+15A50/ Expert [4]	100+15A50/ Expert	100+15A50/ Woda	100+15A50/ Expert + Ogień+	100+15A50/ Ogień+ [5]	100+15A50/ Ogień+ [5]	100+15A50/ Ogień+	100+15A50/ WodaOgień+	100+15A50/ Twarda	100+15A50/ Hydro	100+15A50/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U50 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Nida PK48 top-hat profile	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [7]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: **N/A**

Maximum acoustic insulation: **55 dB**

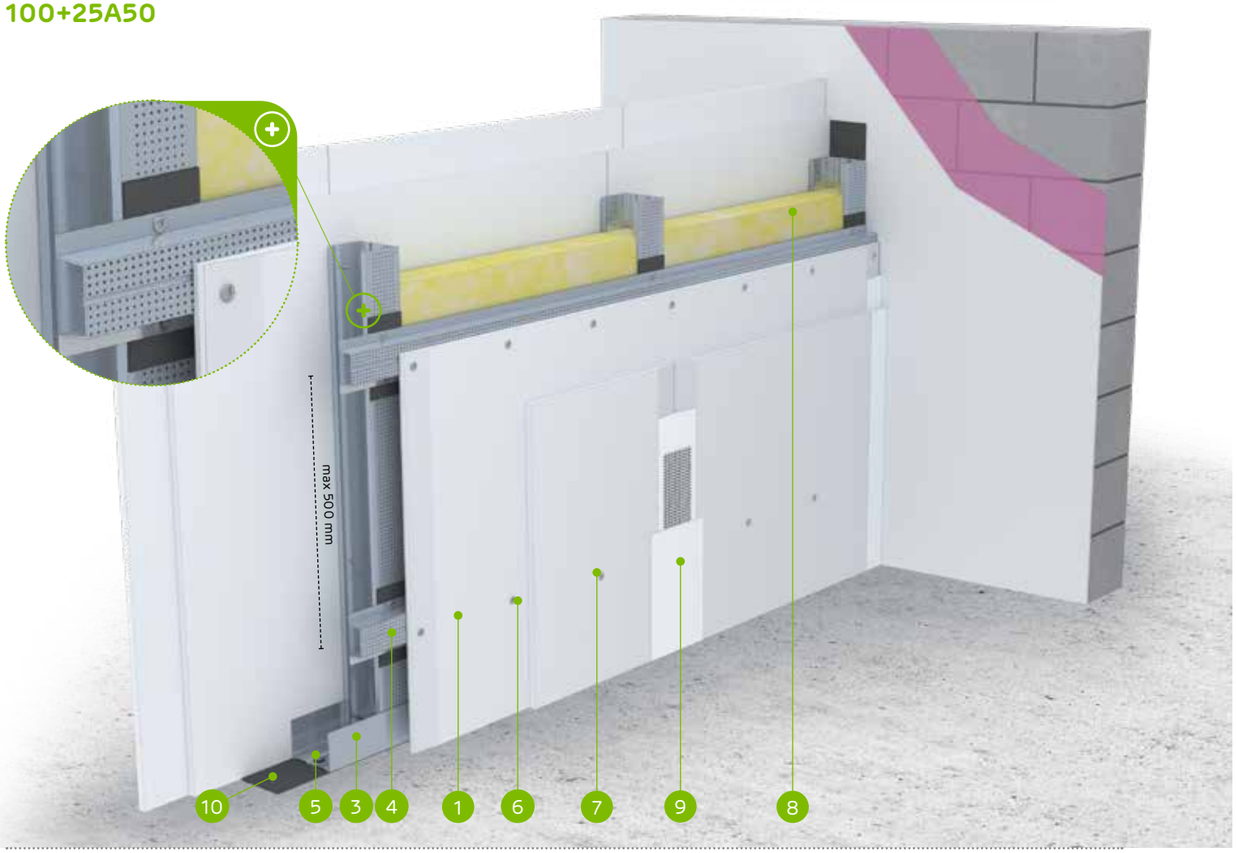
Maximum encasement height: **4500 mm**

Weight of 1 m² of encasement: **36,0-55,0 kg**

Number of related document: **ETA 15/0301**

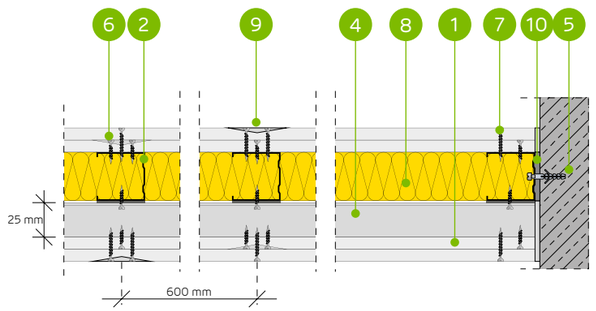
Declaration of Performance:
DoP/Wall System /0001/15.11.2016

SYSTEMS:
100+25A50



MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile
3. Nida U 50 profile
4. Nida MFC C 50 profile
5. Anchoring element
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 50 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50 + NIDA MFCC50 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
100+25A50/Expert [4] [6]	C50+MFCC50	Expert	2x12,5	-	-	-	-	4500	46	43	36	36,0	-	IV	-
100+25A50/Expert	C50+MFCC50	Expert	2x12,5	50	14,5	-	-	4500	55	52	45	36,0	-	IV	-
100+25A50/Woda [3]	C50+MFCC50	Woda	2x12,5	50	14,5	-	-	4500	55	52	45	36,0	-	IV	-
100+25A50/Expert + Ogień+	C50+MFCC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4500	48	45	39	40,0	-	IV	-
100+25A50/Ogień+ [5] [6]	C50+MFCC50	Ogień Plus	2x12,5	-	-	-	-	4500	51	48	41	44,0	-	IV	-
100+25A50/Ogień+ [5] [6]	C50+MFCC50	Ogień Plus	2x12,5	50	10,0	-	-	4500	56	52	45	44,0	-	IV	-
100+25A50/Ogień+	C50+MFCC50	Ogień Plus	2x12,5	50	14,5	-	-	4500	55	52	45	44,0	-	IV	-
100+25A50/WodaOgień+	C50+MFCC50	Woda Ogień Plus	2x12,5	50	14,5	-	-	4500	55	52	45	44,0	-	IV	-
100+25A50/Twarda	C50+MFCC50	Twarda	2x12,5	50	14,5	-	-	4500	55	52	45	55,0	-	IV	●
100+25A50/Hydro	C50+MFCC50	Hydro	2x12,5	50	14,5	-	-	4500	55	52	45	47,0	-	IV	●
100+25A50/Cicha	C50+MFCC50	Cicha	2x12,5	50	14,5	-	-	4500	55	52	45	55,0	-	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		100+25A50/ Expert [4]	100+25A50/ Expert	100+25A50/ Woda	100+25A50/ Expert + Ogień+	100+25A50/ Ogień+ [5]	100+25A50/ Ogień+ [5]	100+25A50/ Ogień+	100+25A50/ WodaOgień+	100+25A50/ Twarda	100+25A50/ Hydro	100+25A50/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U50 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Nida MFCC50 profile	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [7]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: **N/A**

Maximum acoustic insulation: **59 dB**

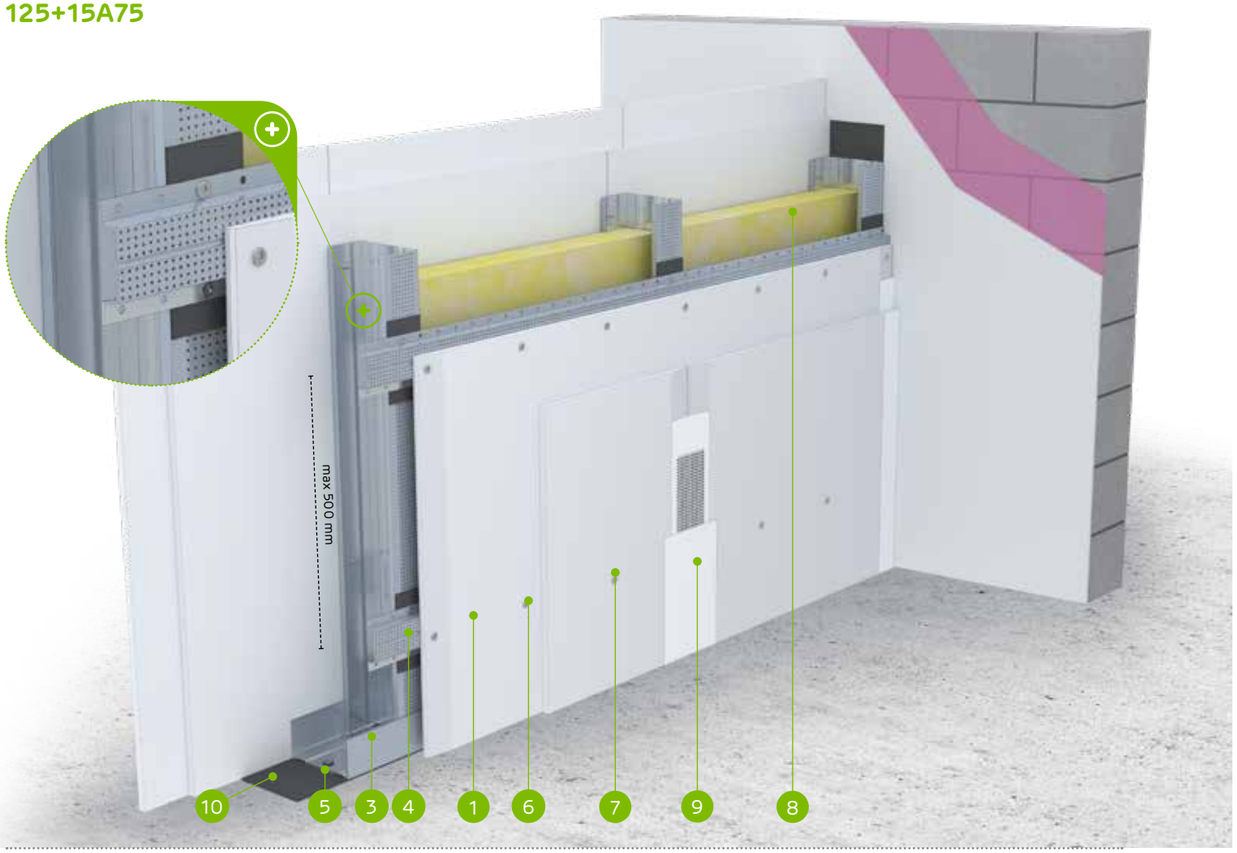
Maximum encasement height: **5500 mm**

Weight of 1 m² of encasement: **36,0-55,0 kg**

Number of related document: **ETA 15/0301**

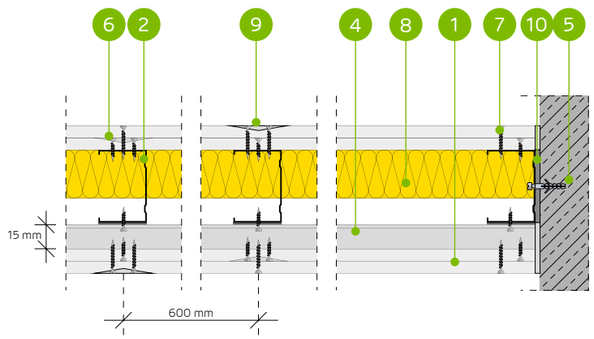
Declaration of Performance:
DoP/Wall System /0001/15.11.2016

SYSTEMS:
125+15A75



MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile
3. Nida U 75 profile
4. Nida PK48 top-hat profile
5. Anchoring element
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 70 mm



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THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C75 + NIDA PK48 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [9]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
125+15A75/Expert [4] [6]	C75+PK48	Expert	2x12,5	-	-	-	-	5500	48	44	38	36,0	-	IV	-
125+15A75/Expert	C75+PK48	Expert	2x12,5	75	14,5	-	-	5500	59	56	50	36,0	-	IV	-
125+15A75/Woda [3]	C75+PK48	Woda	2x12,5	75	14,5	-	-	5500	59	56	50	36,0	-	IV	-
125+15A75/Expert + Ogień+	C75+PK48	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	49	46	41	40,0	-	IV	-
125+15A75/Ogień+ [5] [6]	C75+PK48	Ogień Plus	2x12,5	-	-	-	-	5500	52	49	43	44,0	-	IV	-
125+15A75/Ogień+ [5] [6]	C75+PK48	Ogień Plus	2x12,5	75	10,0	-	-	5500	57	54	47	44,0	-	IV	-
125+15A75/Ogień+	C75+PK48	Ogień Plus	2x12,5	75	14,5	-	-	5500	59	56	50	44,0	-	IV	-
125+15A75/WodaOgień+	C75+PK48	Woda Ogień Plus	2x12,5	75	14,5	-	-	5500	59	56	50	44,0	-	IV	-
125+15A75/Twarda	C75+PK48	Twarda	2x12,5	75	14,5	-	-	5500	59	56	50	55,0	-	IV	●
125+15A75/Hydro	C75+PK48	Hydro	2x12,5	75	14,5	-	-	5500	59	56	50	47,0	-	IV	●
125+15A75/Cicha	C75+PK48	Cicha	2x12,5	75	14,5	-	-	5500	59	56	50	55,0	-	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		125+15A75/ Expert [4]	125+15A75/ Expert	125+15A75/ Woda	125+15A75/ Expert + Ogień+	125+15A75/ Ogień+ [5]	125+15A75/ Ogień+ [5]	125+15A75/ Ogień+	125+15A75/ WodaOgień+	125+15A75/ Twarda	125+15A75/ Hydro	125+15A75/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U75 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Nida PK48 top-hat profile	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [7]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: **N/A**

Maximum acoustic insulation: **60 dB**

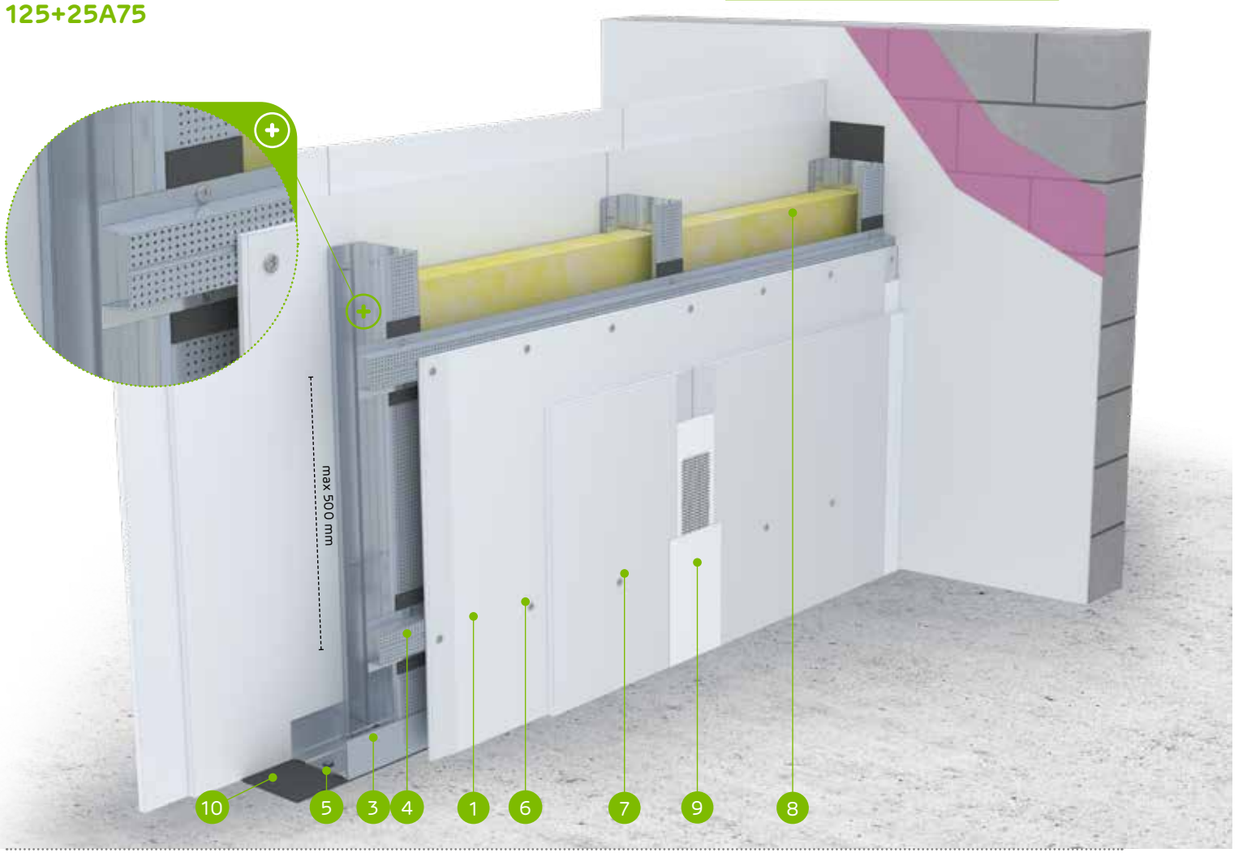
Maximum encasement height: **5500 mm**

Weight of 1 m² of encasement: **36,0-56,0 kg**

Number of related document: **ETA 15/0301**

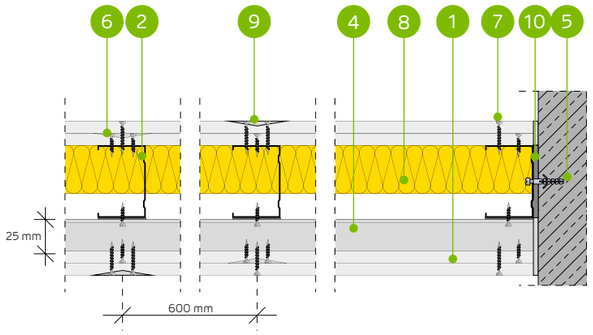
Declaration of Performance:
DoP/Wall System /0001/15.11.2016

SYSTEMS:
125+25A75



MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile
3. Nida U 75 profile
4. Nida MFC C 50 profile
5. Anchoring element
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 70 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C75 + NIDA MFCC50 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
125+25A75/Expert [4] [6]	C75+MFCC50	Expert	2x12,5	-	-	-	-	5500	48	45	39	36,0	-	IV	-
125+25A75/Expert	C75+MFCC50	Expert	2x12,5	75	14,5	-	-	5500	60	57	51	36,0	-	IV	-
125+25A75/Woda [3]	C75+MFCC50	Woda	2x12,5	75	14,5	-	-	5500	60	57	51	36,0	-	IV	-
125+25A75/Expert + Ogień+	C75+MFCC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	50	46	42	40,0	-	IV	-
125+25A75/Ogień+ [5] [6]	C75+MFCC50	Ogień Plus	2x12,5	-	-	-	-	5500	52	50	44	44,0	-	IV	-
125+25A75/Ogień+ [5] [6]	C75+MFCC50	Ogień Plus	2x12,5	75	10,0	-	-	5500	58	55	48	44,0	-	IV	-
125+25A75/Ogień+	C75+MFCC50	Ogień Plus	2x12,5	75	14,5	-	-	5500	60	57	51	44,0	-	IV	-
125+25A75/WodaOgień+	C75+MFCC50	Woda Ogień Plus	2x12,5	75	14,5	-	-	5500	60	57	51	44,0	-	IV	-
125+25A75/Twarda	C75+MFCC50	Twarda	2x12,5	75	14,5	-	-	5500	60	57	51	56,0	-	IV	●
125+25A75/Hydro	C75+MFCC50	Hydro	2x12,5	75	14,5	-	-	5500	60	57	51	48,0	-	IV	●
125+25A75/Cicha	C75+MFCC50	Cicha	2x12,5	75	14,5	-	-	5500	60	57	51	56,0	-	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		125+25A75/ Expert [4]	125+25A75/ Expert	125+25A75/ Woda	125+25A75/ Expert + Ogień+	125+25A75/ Ogień+ [5]	125+25A75/ Ogień+ [5]	125+25A75/ Ogień+	125+25A75/ WodaOgień+	125+25A75/ Twarda	125+25A75/ Hydro	125+25A75/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U75 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Nida MFCC50 profile	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [7]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: N/A

Maximum acoustic insulation: 60 dB

Maximum encasement height: 6500 mm

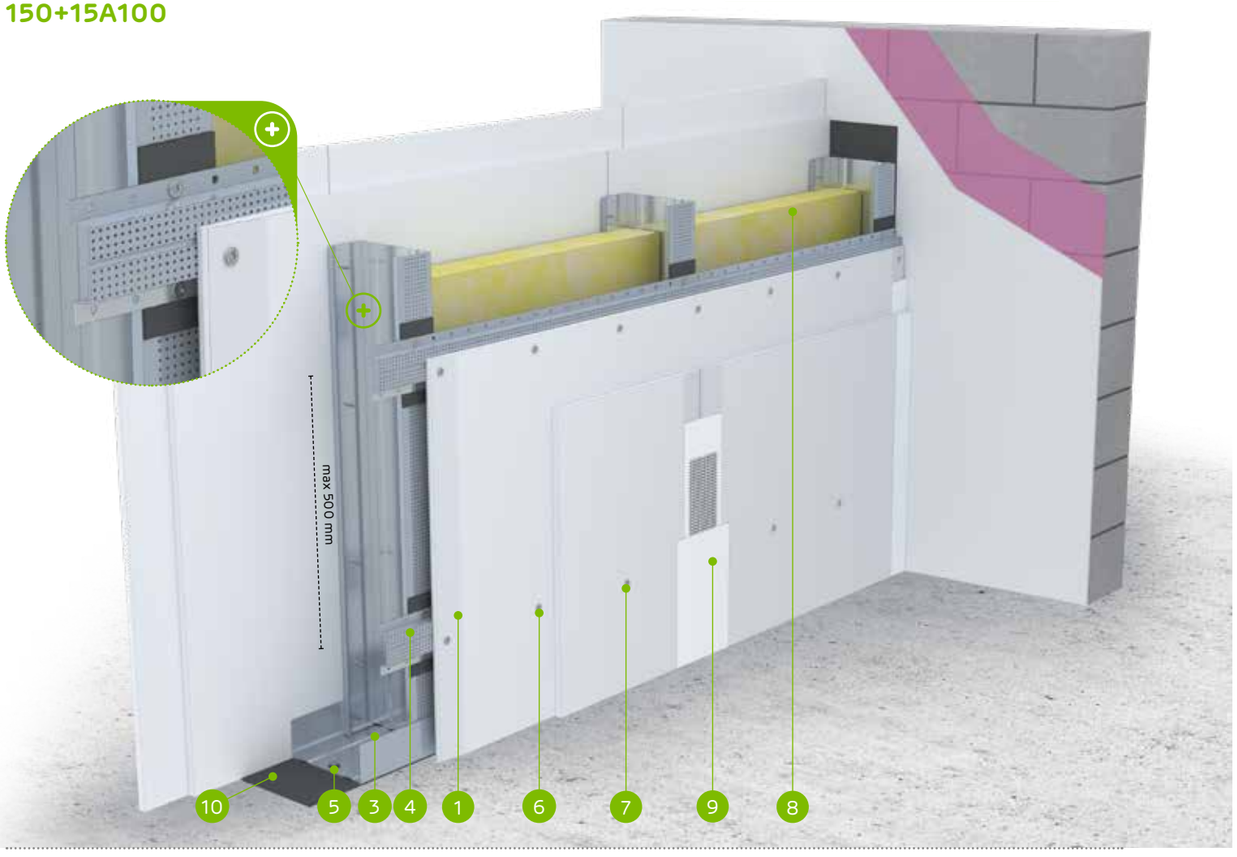
Weight of 1 m² of encasement: 37,0-56,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

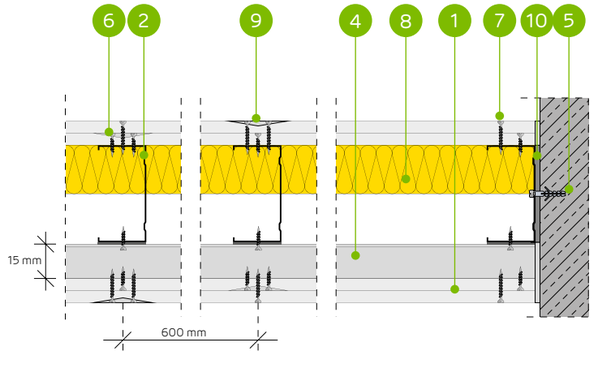
SYSTEMS:

150+15A100



MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile
3. Nida U 100 profile
4. Nida PK48 top-hat profile
5. Anchoring element
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 95 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C100 + NIDA PK48 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
150+15A100/Expert [4] [6]	C100+PK48	Expert	2x12,5	-	-	-	-	6500	49	46	41	37,0	-	IV	-
150+15A100/Expert	C100+PK48	Expert	2x12,5	100	14,5	-	-	6500	60	57	51	37,0	-	IV	-
150+15A100/Woda [3]	C100+PK48	Woda	2x12,5	100	14,5	-	-	6500	60	57	51	37,0	-	IV	-
150+15A100/Expert + Ogień+	C100+PK48	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	51	47	43	41,0	-	IV	-
150+15A100/Ogień+ [5] [6]	C100+PK48	Ogień Plus	2x12,5	-	-	-	-	6500	53	50	45	45,0	-	IV	-
150+15A100/Ogień+ [5] [6]	C100+PK48	Ogień Plus	2x12,5	100	10,0	-	-	6500	59	56	50	45,0	-	IV	-
150+15A100/Ogień+	C100+PK48	Ogień Plus	2x12,5	100	14,5	-	-	6500	60	57	51	45,0	-	IV	-
150+15A100/WodaOgień+	C100+PK48	Woda Ogień Plus	2x12,5	100	14,5	-	-	6500	60	57	51	45,0	-	IV	-
150+15A100/Twarda	C100+PK48	Twarda	2x12,5	100	14,5	-	-	6500	60	57	51	56,0	-	IV	●
150+15A100/Hydro	C100+PK48	Hydro	2x12,5	100	14,5	-	-	6500	60	57	51	48,0	-	IV	●
150+15A100/Cicha	C100+PK48	Cicha	2x12,5	100	14,5	-	-	6500	60	57	51	56,0	-	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		150+15A100/ Expert [4]	150+15A100/ Expert	150+15A100/ Woda	150+15A100/ Expert + Ogień+	150+15A100/ Ogień+ [5]	150+15A100/ Ogień+ [5]	150+15A100/ Ogień+	150+15A100/ WodaOgień+	150+15A100/ Twarda	150+15A100/ Hydro	150+15A100/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U100 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Nida PK48 top-hat profile	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [7]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: N/A

Maximum acoustic insulation: 60 dB

Maximum encasement height: 6500 mm

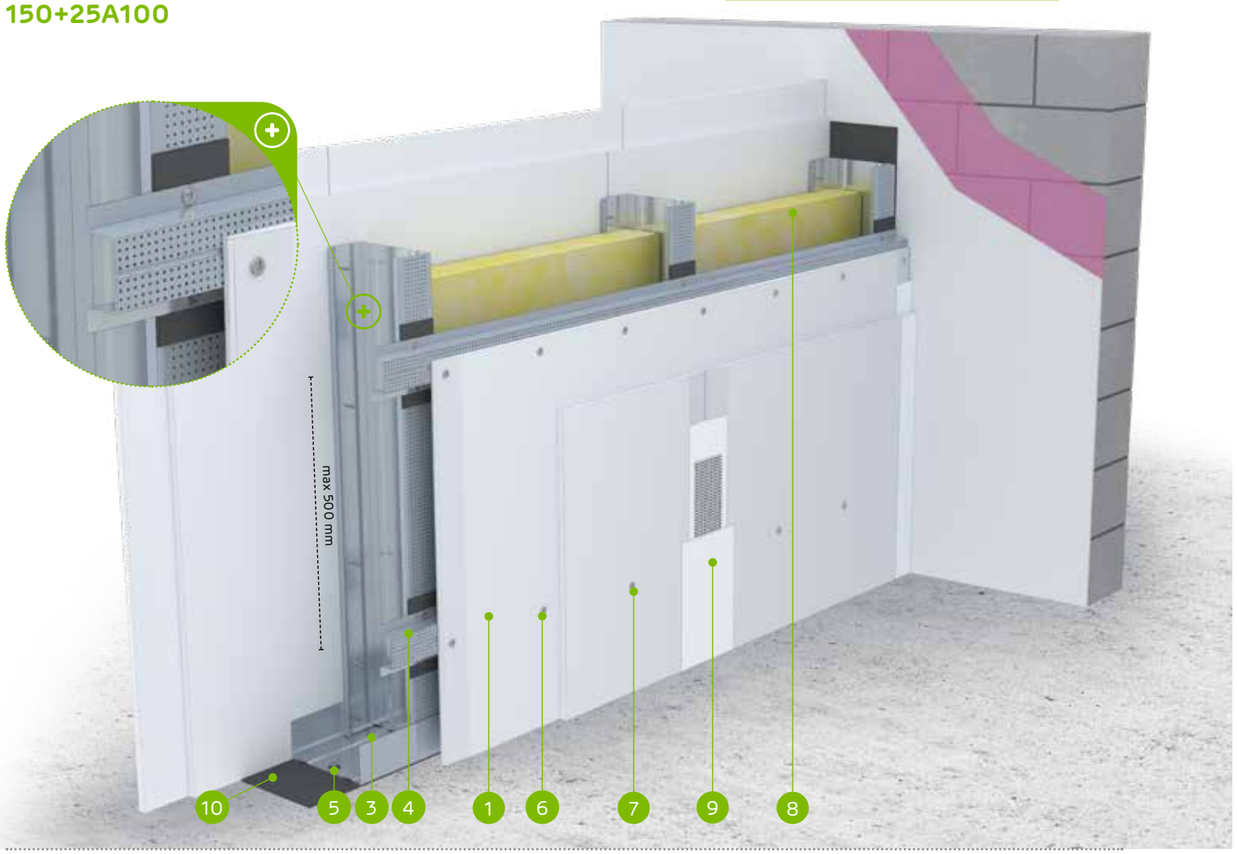
Weight of 1 m² of encasement: 37,0-56,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

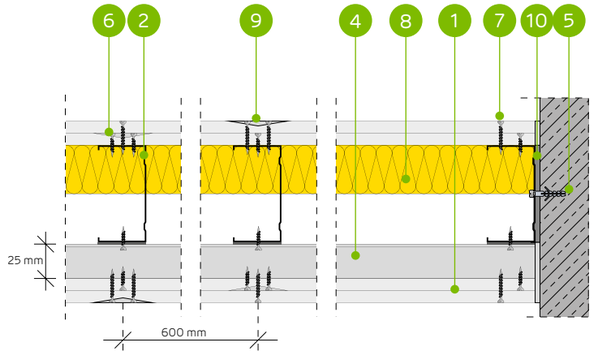
SYSTEMS:

150+25A100



MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile
3. Nida U 100 profile
4. Nida MFC C 50 profile
5. Anchoring element
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 95 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C100 + NIDA MFCC50 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
150+25A100/Expert [4] [6]	C100+MFCC50	Expert	2x12,5	-	-	-	-	6500	49	46	42	37,0	-	IV	-
150+25A100/Expert	C100+MFCC50	Expert	2x12,5	100	14,5	-	-	6500	60	58	51	37,0	-	IV	-
150+25A100/Woda [3]	C100+MFCC50	Woda	2x12,5	100	14,5	-	-	6500	60	58	51	37,0	-	IV	-
150+25A100/Expert + Ogień+	C100+MFCC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	51	47	44	41,0	-	IV	-
150+25A100/Ogień+ [5] [6]	C100+MFCC50	Ogień Plus	2x12,5	-	-	-	-	6500	53	51	46	45,0	-	IV	-
150+25A100/Ogień+ [5] [6]	C100+MFCC50	Ogień Plus	2x12,5	100	10,0	-	-	6500	60	57	51	45,0	-	IV	-
150+25A100/Ogień+	C100+MFCC50	Ogień Plus	2x12,5	100	14,5	-	-	6500	60	58	51	45,0	-	IV	-
150+25A100/WodaOgień+	C100+MFCC50	Woda Ogień Plus	2x12,5	100	14,5	-	-	6500	60	58	51	45,0	-	IV	-
150+25A100/Twarda	C100+MFCC50	Twarda	2x12,5	100	14,5	-	-	6500	60	58	51	56,0	-	IV	●
150+25A100/Hydro	C100+MFCC50	Hydro	2x12,5	100	14,5	-	-	6500	60	58	51	48,0	-	IV	●
150+25A100/Cicha	C100+MFCC50	Cicha	2x12,5	100	14,5	-	-	6500	60	58	51	56,0	-	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		150+25A100/Expert [4]	150+25A100/Expert	150+25A100/Woda	150+25A100/Expert + Ogień+	150+25A100/Ogień+ [5]	150+25A100/Ogień+ [5]	150+25A100/Ogień+	150+25A100/WodaOgień+	150+25A100/Twarda	150+25A100/Hydro	150+25A100/Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U100 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Nida MFCC50 profile	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [7]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

THE TABLES FOR SELECTING THE MAXIMUM HEIGHT FOR THE NIDA ŚCIANA SYSTEM WITH THE APPLIED REDUCED SPACING AND/OR DOUBLING OF THE NIDA C50, C75, C100 LOAD-BEARING STRUCTURE WITHOUT FIRE RESISTANCE REQUIREMENTS

TECHNICAL PARAMETERS

Nida Ściana system name	Number of Nida sheathing layers	Nida structure type		Maximum wall height - h [1]		ETAG 003
		Type of Nida profile	Axial spacing between Nida profiles	1 [2]	2 [3]	
	[mm]		[mm]	[mm]	[mm]	
75A50	12,5	C50/U50	600	3450	2280	II
75A50-400	12,5	C50/U50	400	4250	4000	III
75A50-300	12,5	C50/U50	300	5000	4750	III
75AA50	12,5	2xC50/U50	600	4250	4000	III
75AA50-400	12,5	2xC50/U50	400	4500	4250	IV
75AA50-300	12,5	2xC50/U50	300	5750	5250	IV
80A50	15,0	C50/U50	600	3750	3000	IV
80A50-400	15,0	C50/U50	400	4250	4000	IV
80A50-300	15,0	C50/U50	300	5000	4600	IV
80AA50	15,0	2xC50/U50	600	4500	4200	III
80AA50-400	15,0	2xC50/U50	400	4750	4400	IV
80AA50-300	15,0	2xC50/U50	300	5750	5500	IV
86A50	18,0	C50/U50	600	4000	3250	III
86A50-400	18,0	C50/U50	400	4500	4250	IV
86A50-300	18,0	C50/U50	300	5250	5000	IV
86AA50	18,0	2xC50/U50	600	5000	4750	IV
86AA50-400	18,0	2xC50/U50	400	5250	5000	IV
86AA50-300	18,0	2xC50/U50	300	6000	5750	IV
100A75	12,5	C75/U75	600	4500	3750	III
100A75-400	12,5	C75/U75	400	6000	5500	IV
100A75-300	12,5	C75/U75	300	7000	5500	IV
100AA75	12,5	2xC75/U75	600	6750	6500	IV
100AA75-400	12,5	2xC75/U75	400	7250	7000	IV
100AA75-300	12,5	2xC75/U75	300	7500	7250	IV
105A75	15,0	C75/U75	600	5000	4250	III
105A75-400	15,0	C75/U75	400	6000	5750	IV
105A75-300	15,0	C75/U75	300	7000	6500	IV
105AA75	15,0	2xC75/U75	600	6750	6000	IV
105AA75-400	15,0	2xC75/U75	400	7250	6750	IV
105AA75-300	15,0	2xC75/U75	300	7750	7250	IV
111A75	18,0	C75/U75	600	5000	4500	IV
111A75-400	18,0	C75/U75	400	6250	7750	IV
111A75-300	18,0	C75/U75	300	7250	6750	IV
111AA75	18,0	2xC75/U75	600	7000	6500	IV
111AA75-400	18,0	2xC75/U75	400	7500	7250	IV
111AA75-300	18,0	2xC75/U75	300	8000	7500	IV
125A100	12,5	C100/U100	600	5000	4500	IV
125A100-400	12,5	C100/U100	400	6500	5750	IV
125A100-300	12,5	C100/U100	300	8250	5250	IV
125AA100	12,5	2xC100/U100	600	7750	7000	IV
125AA100-400	12,5	2xC100/U100	400	8250	7250	IV
125AA100-300	12,5	2xC100/U100	300	9000	8000	IV
130A100	15,0	C100/U100	600	5500	4750	IV
130A100-400	15,0	C100/U100	400	7500	6500	IV
130A100-300	15,0	C100/U100	300	8250	7250	IV

[1] Technical opinion ITB 01060/21/R164NZK – part 1.
[2] Range 1 - includes the walls of rooms occupied by a limited number of people, e.g. apartment rooms, hotel rooms, hospital rooms, and other utilised in a similar manner.
[3] Range 2 - includes the walls of rooms occupied by a large number of people, e.g. large conference halls, classrooms, lecture rooms, and other utilised in a similar manner.

nida Ściana

THE TABLES FOR SELECTING THE MAXIMUM HEIGHT FOR THE NIDA ŚCIANA SYSTEM WITH THE APPLIED REDUCED SPACING AND/OR DOUBLING OF THE NIDA C50, C75, C100 LOAD-BEARING STRUCTURE WITHOUT FIRE RESISTANCE REQUIREMENTS

TECHNICAL PARAMETERS

Nida Ściana system name	Number of Nida sheathing layers	Nida structure type		Maximum wall height - h [1]		ETAG 003
		Type of Nida profile	Axial spacing between Nida profiles	1 [2]	2 [3]	
	[mm]		[mm]	[mm]	[mm]	
130AA100	15,0	2xC100/U100	600	7750	7250	IV
130AA100-400	15,0	2xC100/U100	400	8250	7750	IV
130AA100-300	15,0	2xC100/U100	300	9000	8250	IV
136A100	18,0	C100/U100	600	6000	5250	IV
136A100-400	18,0	C100/U100	400	8000	7250	IV
136A100-300	18,0	C100/U100	300	8750	7750	IV
136AA100	18,0	2xC100/U100	600	8250	7750	IV
136AA100-400	18,0	2xC100/U100	400	8750	8500	IV
136AA100-300	18,0	2xC100/U100	300	9750	9000	IV
100A50	2x12,5	C50/U50	600	4500	3750	III/IV
100A50-400	2x12,5	C50/U50	400	5000	4500	IV
100A50-300	2x12,5	C50/U50	300	5750	5000	IV
100AA50	2x12,5	2xC50/U50	600	5500	5000	IV
100AA50-400	2x12,5	2xC50/U50	400	5750	5250	IV
100AA50-300	2x12,5	2xC50/U50	300	6750	6250	IV
125A75	2x12,5	C75/U75	600	5500	5000	IV
125A75-400	2x12,5	C75/U75	400	7000	6500	IV
125A75-300	2x12,5	C75/U75	300	8000	7000	IV
125AA75	2x12,5	2xC75/U75	600	7500	7000	IV
125AA75-400	2x12,5	2xC75/U75	400	8000	7250	IV
125AA75-300	2x12,5	2xC75/U75	300	8500	7500	IV
150A100	2x12,5	C100/U100	600	6500	5750	IV
150A100-400	2x12,5	C100/U100	400	8250	7250	IV
150A100-300	2x12,5	C100/U100	300	9000	8500	IV
150AA100	2x12,5	2xC100/U100	600	9000	8000	IV
150AA100-400	2x12,5	2xC100/U100	400	10250	9250	IV
150AA100-300	2x12,5	2xC100/U100	300	11000	10000	IV
125A50	3x12,5	C50/U50	600	4500	3750	IV
125A50-400	3x12,5	C50/U50	400	5000	4500	IV
125A50-300	3x12,5	C50/U50	300	5750	5000	IV
125AA50	3x12,5	2xC50/U50	600	5500	5000	IV
125AA50-400	3x12,5	2xC50/U50	400	5750	5250	IV
125AA50-300	3x12,5	2xC50/U50	300	6750	6250	IV
150A75	3x12,5	C75/U75	600	5500	5000	IV
150A75-400	3x12,5	C75/U75	400	7000	6500	IV
150A75-300	3x12,5	C75/U75	300	8000	7000	IV
150AA75	3x12,5	2xC75/U75	600	7500	7000	IV
150AA75-400	3x12,5	2xC75/U75	400	8000	7250	IV
150AA75-300	3x12,5	2xC75/U75	300	8500	7500	IV
175A100	3x12,5	C100/U100	600	6500	5750	IV
175A100-400	3x12,5	C100/U100	400	8250	7250	IV
175A100-300	3x12,5	C100/U100	300	9000	8500	IV
175AA100	3x12,5	2xC100/U100	600	9000	8000	IV
175AA100-400	3x12,5	2xC100/U100	400	10250	9250	IV
175AA100-300	3x12,5	2xC100/U100	300	11000	10000	IV

[1] Technical opinion ITB 01060/21/R164NZK – part 1.
[2] Range 1 - includes the walls of rooms occupied by a limited number of people, e.g. apartment rooms, hotel rooms, hospital rooms, and other utilised in a similar manner.
[3] Range 2 - includes the walls of rooms occupied by a large number of people, e.g. large conference halls, classrooms, lecture rooms, and other utilised in a similar manner.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 69 dB

Maximum encasement height: 4500 mm

Weight of 1 m² of encasement: 37,0-56,0 kg

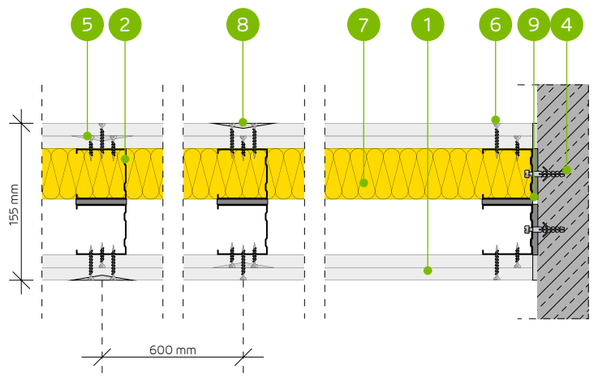
Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0002/15.11.2016

SYSTEMS:
155B50

MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile
3. Nida U 50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C50 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
155B50/Expert [4] [6]	C50+C50	Expert	2x12,5	-	-	-	-	4500	49	44	40	37,0	(R)EI60	IV	-
155B50/Expert	C50+C50	Expert	2x12,5	2x50	14,5	50	10,0	4500	62	60	55	37,0	(R)EI60	IV	-
155B50/Woda [3]	C50+C50	Woda	2x12,5	2x50	14,5	50	10,0	4500	62	60	55	37,0	(R)EI60	IV	-
155B50/Expert + Ogień+	C50+C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4500	50	47	42	41,0	(R)EI90	IV	-
155B50/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	-	-	-	-	4500	53	50	44	45,0	(R)EI120	IV	-
155B50/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	2x50	10,0	50	10,0	4500	60	57	49	45,0	(R)EI120	IV	-
155B50/Ogień+	C50+C50	Ogień Plus	2x12,5	2x50	14,5	50	30,0	4500	62	60	55	45,0	(R)EI120	IV	-
155B50/WodaOgień+	C50+C50	Woda Ogień Plus	2x12,5	2x50	14,5	50	30,0	4500	62	60	55	45,0	(R)EI120	IV	-
155B50/Twarda	C50+C50	Twarda	2x12,5	2x50	14,5	50	30,0	4500	65	63	60	56,0	(R)EI120	IV	●
155B50/Hydro	C50+C50	Hydro	2x12,5	2x50	14,5	50	50,0	4500	62	60	55	48,0	(R)EI120	IV	●
155B50/Cicha	C50+C50	Cicha	2x12,5	2x50	14,5	50	30,0	4500	69	67	63	56,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
IMPORTANT! During the designing process of Type B walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		155B50/ Expert [4]	155B50/ Expert	155B50/ Woda	155B50/ Expert + Ogień+	155B50/ Ogień+ [5]	155B50/ Ogień+ [5]	155B50/ Ogień+	155B50/ WodaOgień+	155B50/ Twarda	155B50/ Hydro	155B50/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U50 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: N/A

Maximum encasement height: 5500 mm

Weight of 1 m² of encasement: 39,0-59,0 kg

Number of related document: ETA 15/0301

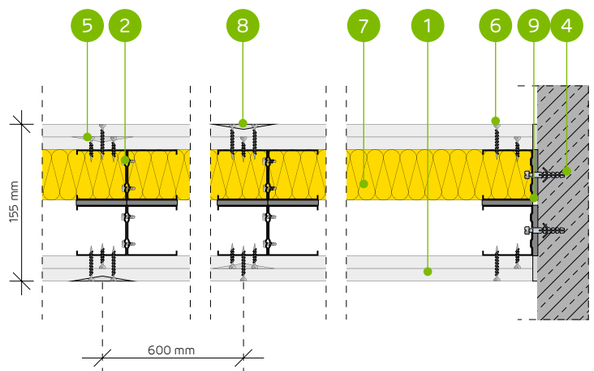
Declaration of Performance: DoP/Wall System /0002/15.11.2016

SYSTEMS:

155BB50

MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile (doubled)
3. Nida U 50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW DOUBLED STRUCTURES OF THE NIDA C50 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
155BB50/Expert [4]	2xC50+2xC50	Expert	2x12,5	-	-	-	-	5500	-	-	-	39,0	(R)EI60	IV	-
155BB50/Expert	2xC50+2xC50	Expert	2x12,5	-	-	50	10,0	5500	-	-	-	39,0	(R)EI60	IV	-
155BB50/Woda [3]	2xC50+2xC50	Woda	2x12,5	-	-	50	10,0	5500	-	-	-	39,0	(R)EI60	IV	-
155BB50/Expert + Ogień+	2xC50+2xC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	-	-	-	43,0	(R)EI90	IV	-
155BB50/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	-	-	5500	-	-	-	47,0	(R)EI120	IV	-
155BB50/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	10,0	5500	-	-	-	47,0	(R)EI120	IV	-
155BB50/Ogień+	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	47,0	(R)EI120	IV	-
155BB50/WodaOgień+	2xC50+2xC50	Woda Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	47,0	(R)EI120	IV	-
155BB50/Twarda	2xC50+2xC50	Twarda	2x12,5	-	-	50	30,0	5500	-	-	-	59,0	(R)EI120	IV	●
155BB50/Hydro	2xC50+2xC50	Hydro	2x12,5	-	-	50	50,0	5500	-	-	-	51,0	(R)EI120	IV	●
155BB50/Cicha	2xC50+2xC50	Cicha	2x12,5	-	-	50	30,0	5500	-	-	-	59,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.

IMPORTANT! During the designing process of Type B walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		155BB50/ Expert [4]	155BB50/ Expert	155BB50/ Woda	155BB50/ Expert + Ogień+	155BB50/ Ogień+ [5]	155BB50/ Ogień+ [5]	155BB50/ Ogień+	155BB50/ WodaOgień+	155BB50/ Twarda	155BB50/ Hydro	155BB50/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U50 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).

The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 69 dB

Maximum encasement height: 6000 mm

Weight of 1 m² of encasement: 37,0-57,0 kg

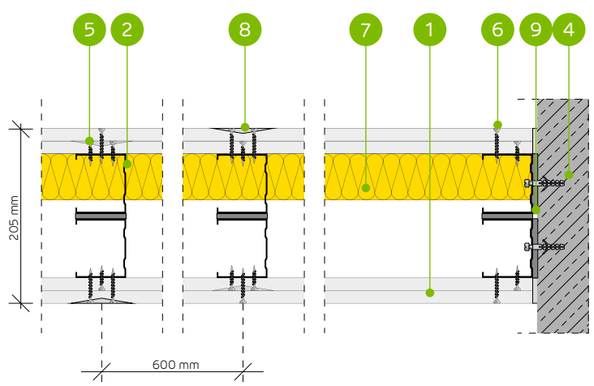
Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0002/15.11.2016

SYSTEMS:
205B75

MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C75 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
205B75/Expert [4] [6]	C75+C75	Expert	2x12,5	-	-	-	-	6000	50	47	43	37,0	(R)EI60	IV	-
205B75/Expert	C75+C75	Expert	2x12,5	2x50	12,0	50	10,0	6000	64	62	55	37,0	(R)EI60	IV	-
205B75/Woda [3]	C75+C75	Woda	2x12,5	2x50	12,0	50	10,0	6000	64	62	55	37,0	(R)EI60	IV	-
205B75/Expert + Ogień+	C75+C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6000	52	48	45	41,0	(R)EI90	IV	-
205B75/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	-	-	-	-	6000	54	52	47	45,0	(R)EI120	IV	-
205B75/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	2x50	10,0	50	10,0	6000	64	61	54	45,0	(R)EI120	IV	-
205B75/Ogień+	C75+C75	Ogień Plus	2x12,5	2x50	12,0	50	30,0	6000	64	62	55	45,0	(R)EI120	IV	-
205B75/WodaOgień+	C75+C75	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	6000	64	62	55	45,0	(R)EI120	IV	-
205B75/Twarda	C75+C75	Twarda	2x12,5	2x75	14,5	50	30,0	6000	67	66	62	57,0	(R)EI120	IV	●
205B75/Hydro	C75+C75	Hydro	2x12,5	2x50	12,0	50	50,0	6000	64	62	55	49,0	(R)EI120	IV	●
205B75/Cicha	C75+C75	Cicha	2x12,5	2x75	14,5	50	30,0	6000	69	67	63	57,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
IMPORTANT! During the designing process of Type B walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		205B75/ Expert [4]	205B75/ Expert	205B75/ Woda	205B75/ Expert + Ogień+	205B75/ Ogień+ [5]	205B75/ Ogień+ [5]	205B75/ Ogień+	205B75/ WodaOgień+	205B75/ Twarda	205B75/ Hydro	205B75/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U75 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

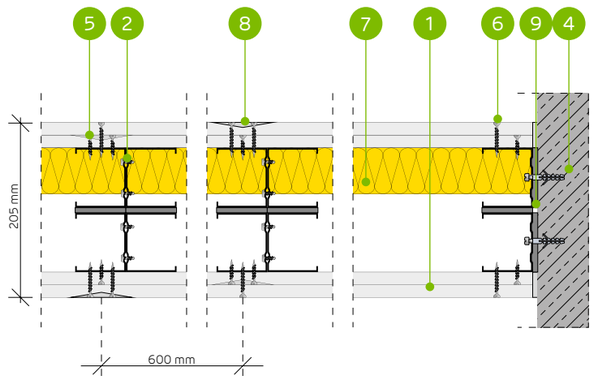
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	6500 mm	41,0-60,0 kg	ETA 15/0301

Declaration of Performance:
DoP/Wall System /0002/15.11.2016

SYSTEMS:
205BB75

MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile (doubled)
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW DOUBLED STRUCTURES OF THE NIDA C75 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_w [dB]	R_w [dB]	[kg]	[min]	ETAG 003 class	
205BB75/Expert [4]	2xC75+2xC75	Expert	2x12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI60	IV	-
205BB75/Expert	2xC75+2xC75	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
205BB75/Woda [3]	2xC75+2xC75	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
205BB75/Expert + Ogień+	2xC75+2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI90	IV	-
205BB75/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	49,0	(R)EI120	IV	-
205BB75/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	49,0	(R)EI120	IV	-
205BB75/Ogień+	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
205BB75/WodaOgień+	2xC75+2xC75	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
205BB75/Twarda	2xC75+2xC75	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●
205BB75/Hydro	2xC75+2xC75	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	52,0	(R)EI120	IV	●
205BB75/Cicha	2xC75+2xC75	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.

IMPORTANT! During the designing process of Type B walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		205BB75/ Expert [4]	205BB75/ Expert	205BB75/ Woda	205BB75/ Expert + Ogień+	205BB75/ Ogień+ [5]	205BB75/ Ogień+ [5]	205BB75/ Ogień+	205BB75/ WodaOgień+	205BB75/ Twarda	205BB75/ Hydro	205BB75/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U75 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).

The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 70 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 38,0-57,0 kg

Number of related document: ETA 15/0301

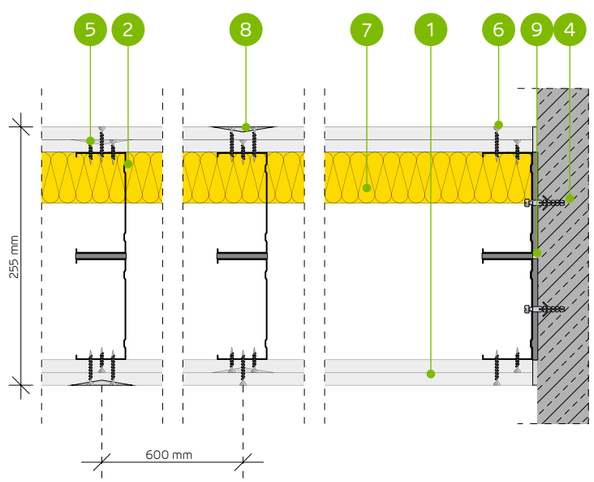
Declaration of Performance: DoP/Wall System /0002/15.11.2016

SYSTEMS:

255B100

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 95 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
255B100/Expert [4] [6]	C100+C100	Expert	2x12,5	-	-	-	-	6500	51	48	45	38,0	(R)EI60	IV	-
255B100/Expert	C100+C100	Expert	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
255B100/Woda [3]	C100+C100	Woda	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
255B100/Expert + Ogień+	C100+C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	53	48	47	42,0	(R)EI90	IV	-
255B100/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	-	-	-	-	6500	55	53	49	46,0	(R)EI120	IV	-
255B100/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	2x100	10,0	50	10,0	6500	67	64	57	46,0	(R)EI120	IV	-
255B100/Ogień+	C100+C100	Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
255B100/WodaOgień+	C100+C100	Woda Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
255B100/Twarda	C100+C100	Twarda	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	●
255B100/Hydro	C100+C100	Hydro	2x12,5	2x100	12,0	50	50,0	6500	68	66	61	49,0	(R)EI120	IV	●
255B100/Cicha	C100+C100	Cicha	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.

IMPORTANT! During the designing process of Type B walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).

The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		255B100/ Expert [4]	255B100/ Expert	255B100/ Woda	255B100/ Expert + Ogień+	255B100/ Ogień+ [5]	255B100/ Ogień+ [5]	255B100/ Ogień+	255B100/ WodaOgień+	255B100/ Twarda	255B100/ Hydro	255B100/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U100 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).

The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

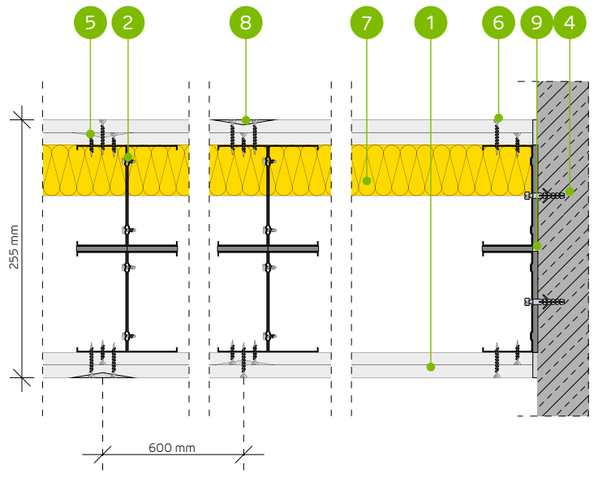
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	6500 mm	42,0-61,0 kg	ETA 15/0301

Declaration of Performance:
DoP/Wall System /0002/15.11.2016

SYSTEMS:
255BB100

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile (doubled)
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 95 mm



THE FIRST DRYWALL ENCASEMENT SYSTEM WITH THE CE MARKING AVAILABLE ON THE MARKET

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THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW DOUBLED STRUCTURES OF THE NIDA C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
255BB100/Expert [4]	2xC100+2xC100	Expert	2x12,5	-	-	-	-	6500	-	-	-	42,0	(R)EI60	IV	-
255BB100/Expert	2xC100+2xC100	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
255BB100/Woda [3]	2xC100+2xC100	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
255BB100/Expert + Ogień+	2xC100+2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	46,0	(R)EI90	IV	-
255BB100/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	50,0	(R)EI120	IV	-
255BB100/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	50,0	(R)EI120	IV	-
255BB100/Ogień+	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
255BB100/WodaOgień+	2xC100+2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
255BB100/Twarda	2xC100+2xC100	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●
255BB100/Hydro	2xC100+2xC100	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	53,0	(R)EI120	IV	●
255BB100/Cicha	2xC100+2xC100	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.

IMPORTANT! During the designing process of Type B walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		255BB100/ Expert [4]	255BB100/ Expert	255BB100/ Woda	255BB100/ Expert + Ogień+	255BB100/ Ogień+ [5]	255BB100/ Ogień+ [5]	255BB100/ Ogień+	255BB100/ WodaOgień+	255BB100/ Twarda	255BB100/ Hydro	255BB100/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U100 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).

The standards concerning the amount of utilised material do not cover the loss of the material.

www.siniat.pl

Nida systems search engine
www.systemynida.pl

Calculator of the Nida systems
www.siniat.pl/kalkulatory

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nida Ściana

Fire resistance class: (R)EI60 (R)EI90

Maximum acoustic insulation: 73 dB

Maximum encasement height: 6500 mm

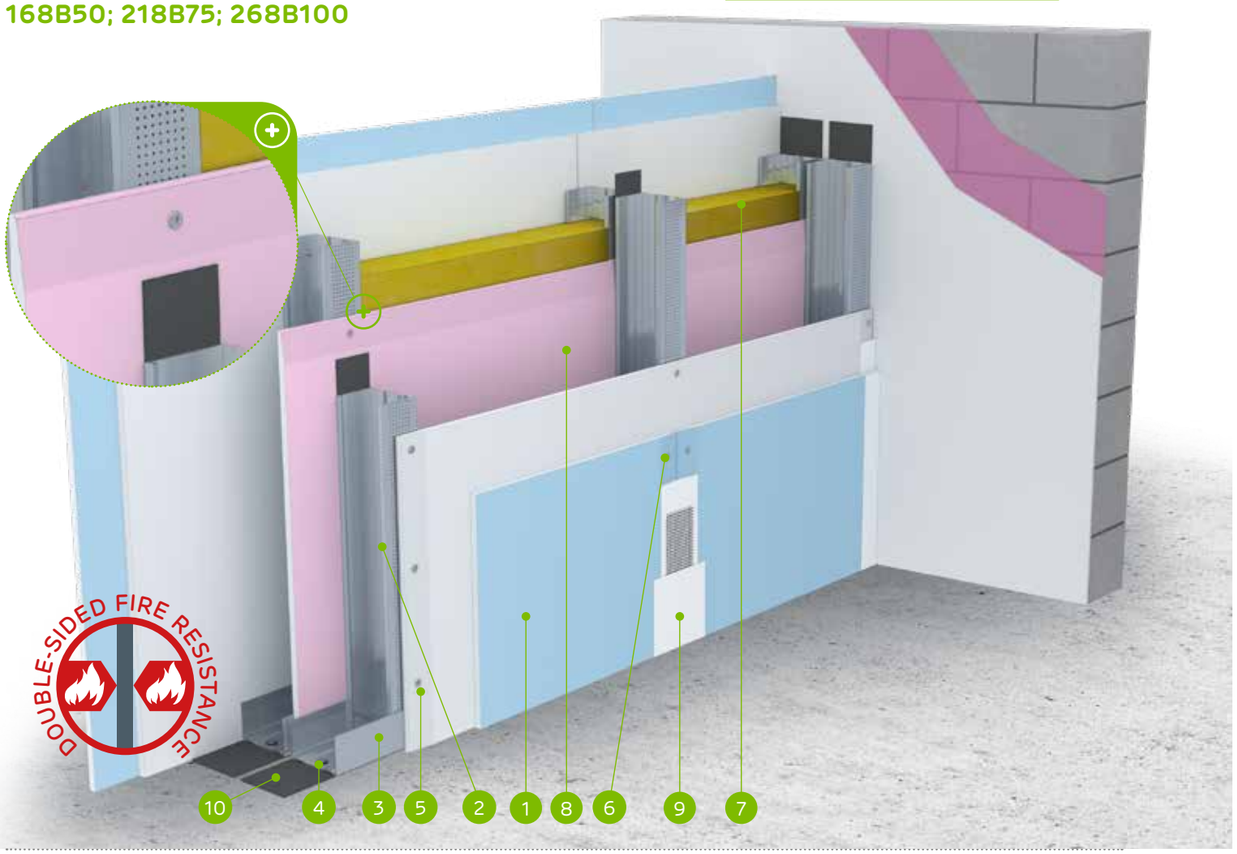
Weight of 1 m² of encasement: 56,0-58,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

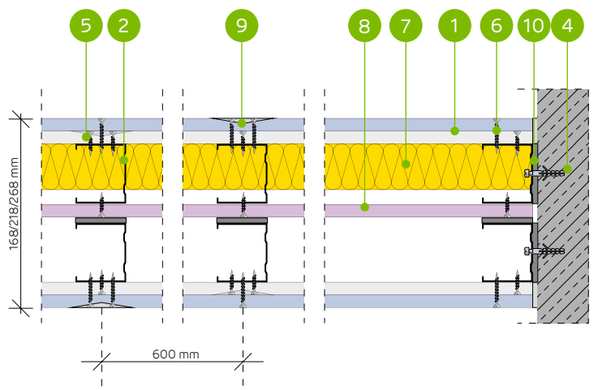
SYSTEMS:

168B50; 218B75; 268B100



MATERIALS:

1. Nida Expert + Nida Cicha plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. FixDens 4.2 x 42 mm screws
7. Insulation material mineral wool
8. Nida Ogień Plus stiffening board
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES WITH INTERNAL STIFFENING BOARD (HYBRID WALLS – EXPERT/CICHA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class [3]	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
168B50/Expert+Cicha typ A	C50+C50	Expert+Cicha typ A	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	56,0	(R)EI60	IV	●
168B50/Woda+Cicha typ A	C50+C50	Woda+Cicha typ A	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	56,0	(R)EI60	IV	●
218B75/Expert+Cicha typ A	C75+C75	Expert+Cicha typ A	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	57,0	(R)EI60	IV	●
218B75/Woda+Cicha typ A	C75+C75	Woda+Cicha typ A	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	57,0	(R)EI60	IV	●
268B100/Expert+Cicha typ A	C100+C100	Expert+Cicha typ A	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	58,0	(R)EI60	IV	●
268B100/Woda+Cicha typ A	C100+C100	Woda+Cicha typ A	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	58,0	(R)EI60	IV	●
168B50/Expert+Cicha	C50+C50	Expert+Cicha [3]	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	56,0	(R)EI90	IV	●
168B50/Woda+Cicha	C50+C50	Woda+Cicha [3]	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	56,0	(R)EI90	IV	●
218B75/Expert+Cicha	C75+C75	Expert+Cicha [3]	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	57,0	(R)EI90	IV	●
218B75/Woda+Cicha	C75+C75	Woda+Cicha [3]	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	57,0	(R)EI90	IV	●
268B100/Expert+Cicha	C100+C100	Expert+Cicha [3]	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	58,0	(R)EI90	IV	●
268B100/Woda+Cicha	C100+C100	Woda+Cicha [3]	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	58,0	(R)EI90	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] Nida Cicha board type DFH1IR; as an alternative the NIDA Ciężka type DFH1IR should be utilised.
[4] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana											
		168B50/ Expert+Cicha typ A	168B50/ Woda+Cicha typ A	218B75/ Expert+Cicha typ A	218B75/ Woda+Cicha typ A	268B100/ Expert+Cicha typ A	268B100/ Woda+Cicha typ A	168B50/ Expert+Cicha	168B50/ Woda+Cicha	218B75/ Expert+Cicha	218B75/ Woda+Cicha	268B100/ Expert+Cicha	268B100/ Woda+Cicha
		Consumption of material per 1 m²											
Nida Expert 12,5 mm plasterboard	m²	2,0	-	2,0	-	2,0	-	2,0	-	2,0	-	2,0	-
Nida Woda 12,5 mm plasterboard	m²	-	2,0	-	2,0	-	2,0	-	2,0	-	2,0	-	2,0
Nida Ogień Plus 12,5 mm plasterboard	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Nida Cicha type A 12,5 mm plasterboard	m²	2,0	2,0	2,0	2,0	2,0	2,0	-	-	-	-	-	-
Nida Cicha type DFH1IR 12,5 mm plasterboard	m²	-	-	-	-	-	-	2,0	2,0	2,0	2,0	2,0	2,0
Nida C50 profile	lm	3,6	3,6	-	-	-	-	3,6	3,6	-	-	-	-
Nida C75 profile	lm	-	-	3,6	3,6	-	-	-	-	3,6	3,6	-	-
Nida C100 profile	lm	-	-	-	-	3,6	3,6	-	-	-	-	3,6	3,6
Nida U50 profile	lm	1,4	1,4	-	-	-	-	1,4	1,4	-	-	-	-
Nida U75 profile	lm	-	-	1,4	1,4	-	-	-	-	1,4	1,4	-	-
Nida U100 profile	lm	-	-	-	-	1,4	1,4	-	-	-	-	1,4	1,4
Anchoring element [5]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	16,0	16,0	16,0	16,0	16,0	16,0	16,0	16,0	16,0	16,0	16,0	16,0
FixDens 4.2x42 mm screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [6]	m²	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0

[5] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI120

Maximum acoustic insulation: 70 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 66,0-68,0 kg

Number of related document: ETA 15/0301

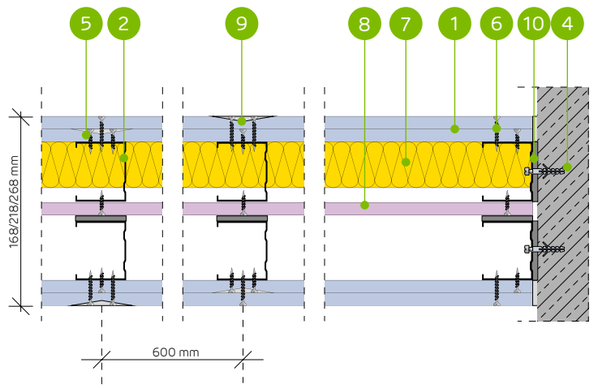
Declaration of Performance: DoP/Wall System /0001/15.11.2016

SYSTEMS:

168B50; 218B75; 268B100

MATERIALS:

1. Nida C50 / C75 / C100 profile
2. Nida U50 / U75 / U100 profile
3. Anchoring element
4. FixDens 4.2 x 25 mm screws
5. FixDens 4.2 x 42 mm screws
6. Insulation material mineral wool
7. Nida Ogień Plus stiffening board
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES WITH INTERNAL STIFFENING BOARD

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class [3]	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
168B50/Cicha typ A	C50+C50	Cicha typ A	2x12,5	2x50	14,5	-	-	4500	69	67	63	66,0	(R)EI60	IV	●
218B75/Cicha typ A	C75+C75	Cicha typ A	2x12,5	2x75	14,5	-	-	6000	69	67	63	67,0	(R)EI60	IV	●
268B100/Cicha typ A	C100+C100	Cicha typ A	2x12,5	2x100	14,5	-	-	6500	70	69	64	68,0	(R)EI60	IV	●
168B50/Cicha	C50+C50	Cicha [3]	2x12,5	2x50	14,5	-	-	4500	69	67	63	66,0	(R)EI120	IV	●
218B75/Cicha	C75+C75	Cicha [3]	2x12,5	2x75	14,5	-	-	6000	69	67	63	67,0	(R)EI120	IV	●
268B100/Cicha	C100+C100	Cicha [3]	2x12,5	2x100	14,5	-	-	6500	70	69	64	68,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] Nida Cicha board type DFH1IR; as an alternative the NIDA Ciężka type DFH1IR should be utilised.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		168B50/Cicha typ A	218B75/Cicha typ A	268B100/Cicha typ A	168B50/Cicha	218B75/Cicha	268B100/Cicha
		Consumption of material per 1 m²					
Nida Ogień Plus 12,5 mm plasterboard	m²	1,0	1,0	1,0	1,0	1,0	1,0
Nida Cicha type A 12,5 mm plasterboard	m²	4,0	4,0	4,0	-	-	-
Nida Cicha type DFH1IR 12,5 mm plasterboard	m²	-	-	-	4,0	4,0	4,0
Nida C50 profile	lm	3,6	-	-	3,6	-	-
Nida C75 profile	lm	-	3,6	-	-	3,6	-
Nida C100 profile	lm	-	-	3,6	-	-	3,6
Nida U50 profile	lm	1,4	-	-	1,4	-	-
Nida U75 profile	lm	-	1,4	-	-	1,4	-
Nida U100 profile	lm	-	-	1,4	-	-	1,4
Anchoring element [4]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
FixDens 4.2x25 mm screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
FixDens 4.2x42 mm screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [5]	m²	2,0	2,0	2,0	2,0	2,0	2,0

[4] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[5] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

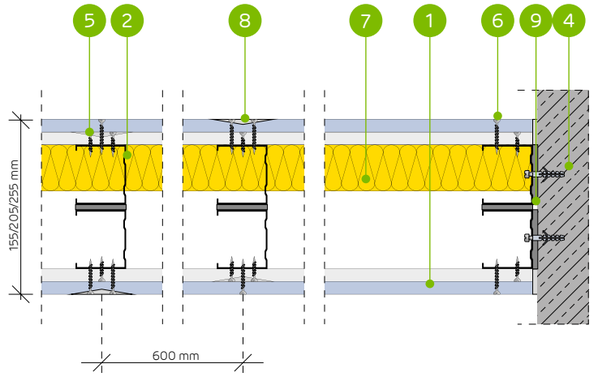
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90	73 dB	6500 mm	49,0-52,0 kg	ETA 15/0301

Declaration of Performance:
DoP/Wall System /0002/15.11.2016

SYSTEMS:
155B50; 205B75; 255B100

MATERIALS:

1. Nida Expert + Nida Cicha plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. FixDens 4.2 x 42 mm screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (HYBRID WALLS – EXPERT/CICHA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
155B50/Expert+Cicha typ A	C50+C50	Expert+Cicha typ A	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	49,0	(R)EI60	IV	●
155B50/Woda+Cicha typ A	C50+C50	Woda+Cicha typ A	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	49,0	(R)EI60	IV	●
205B75/Expert+Cicha typ A	C75+C75	Expert+Cicha typ A	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	50,0	(R)EI60	IV	●
205B75/Woda+Cicha typ A	C75+C75	Woda+Cicha typ A	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	50,0	(R)EI60	IV	●
255B100/Expert+Cicha typ A	C100+C100	Expert+Cicha typ A	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI60	IV	●
255B100/Woda+Cicha typ A	C100+C100	Woda+Cicha typ A	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI60	IV	●
155B50/Expert+Cicha	C50+C50	Expert + Cicha	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	49,0	(R)EI90	IV	●
155B50/Woda+Cicha [3]	C50+C50	Woda + Cicha	12,5+12,5	2x50	38,0	-	-	4500	64	62	56	49,0	(R)EI90	IV	●
205B75/Expert+Cicha	C75+C75	Expert + Cicha	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	50,0	(R)EI90	IV	●
205B75/Woda+Cicha [3]	C75+C75	Woda + Cicha	12,5+12,5	2x75	38,0	-	-	6000	66 [4]	63	56	50,0	(R)EI90	IV	●
255B100/Expert+Cicha	C100+C100	Expert + Cicha	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI90	IV	●
255B100/Woda+Cicha [3]	C100+C100	Woda + Cicha	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI90	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] Nida Cicha board type DFH1IR; as an alternative the NIDA Ciężka type DFH1IR should be utilised.
[4] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
IMPORTANT! During the designing process of Type B walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana											
		155B50/ Expert+Cicha typ A	155B50/ Woda+Cicha typ A	205B75/ Expert+Cicha typ A	205B75/ Woda+Cicha typ A	255B100/ Expert+Cicha typ A	255B100/ Woda+Cicha typ A	155B50/ Expert+Cicha	155B50/ Woda+Cicha	205B75/ Expert+Cicha	205B75/ Woda+Cicha	255B100/ Expert+Cicha	255B100/ Woda+Cicha
		Consumption of material per 1 m²											
Nida Expert 12,5 mm plasterboard	m²	2,0	-	2,0	-	2,0	-	2,0	-	2,0	-	2,0	-
Nida Woda 12,5 mm plasterboard	m²	-	2,0	-	2,0	-	2,0	-	2,0	-	2,0	-	2,0
Nida Cicha type A 12,5 mm plasterboard	m²	2,0	2,0	2,0	2,0	2,0	2,0	-	-	-	-	-	-
Nida Cicha type DFH1IR 12,5 mm plasterboard	m²	-	-	-	-	-	-	2,0	2,0	2,0	2,0	2,0	2,0
Nida C50 profile	lm	3,6	3,6	-	-	-	-	3,6	3,6	-	-	-	-
Nida C75 profile	lm	-	-	3,6	3,6	-	-	-	-	3,6	3,6	-	-
Nida C100 profile	lm	-	-	-	-	3,6	3,6	-	-	-	-	3,6	3,6
Nida U50 profile	lm	1,4	1,4	-	-	-	-	1,4	1,4	-	-	-	-
Nida U75 profile	lm	-	-	1,4	1,4	-	-	-	-	1,4	1,4	-	-
Nida U100 profile	lm	-	-	-	-	1,4	1,4	-	-	-	-	1,4	1,4
Anchoring element [5]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0
FixDens 4.2x42 mm screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [6]	m²	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0

[5] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI120

Maximum acoustic insulation: 70 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 56,0-57,0 kg

Number of related document: ETA 15/0301

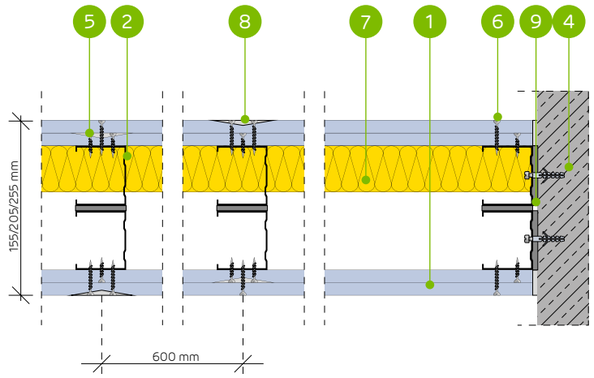
Declaration of Performance: DoP/Wall System /0002/15.11.2016

SYSTEMS:

155B50; 205B75; 255B100

MATERIALS:

1. Nida Cicha plasterboard typ A lub Nida Cicha typ DFH1IR
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. FixDens 4.2 x 25 mm screws
6. FixDens 4.2 x 42 mm screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class [3]	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
155B50/Cicha typ A	C50+C50	Cicha typ A	2x12,5	2x50	14,5	-	-	4500	69	67	63	56,0	(R)EI60	IV	●
205B75/Cicha typ A	C75+C75	Cicha typ A	2x12,5	2x75	14,5	-	-	6000	69	67	63	57,0	(R)EI60	IV	●
255B100/Cicha typ A	C100+C100	Cicha typ A	2x12,5	2x100	14,5	-	-	6500	70	69	64	57,0	(R)EI60	IV	●
155B50/Cicha	C50+C50	Cicha [3]	2x12,5	2x50	14,5	-	-	4500	69	67	63	56,0	(R)EI120	IV	●
205B75/Cicha	C75+C75	Cicha [3]	2x12,5	2x75	14,5	-	-	6000	69	67	63	57,0	(R)EI120	IV	●
255B100/Cicha	C100+C100	Cicha [3]	2x12,5	2x100	14,5	-	-	6500	70	69	64	57,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] Nida Cicha board type DFH1IR; as an alternative the NIDA Ciężka type DFH1IR should be utilised.
IMPORTANT! During the designing process of Type B walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		155B50/Cicha typ A	205B75/Cicha typ A	255B100/Cicha typ A	155B50/Cicha	205B75/Cicha	255B100/Cicha
		Consumption of material per 1 m²					
Nida Cicha type A 12,5 mm plasterboard	m²	4,0	4,0	4,0	-	-	-
Nida Cicha type DFH1IR 12,5 mm plasterboard	m²	-	-	-	4,0	4,0	4,0
Nida C50 profile	lm	3,6	-	-	3,6	-	-
Nida C75 profile	lm	-	3,6	-	-	3,6	-
Nida C100 profile	lm	-	-	3,6	-	-	3,6
Nida U50 profile	lm	1,4	-	-	1,4	-	-
Nida U75 profile	lm	-	1,4	-	-	1,4	-
Nida U100 profile	lm	-	-	1,4	-	-	1,4
Anchoring element [4]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8
FixDens 4.2x25 mm screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
FixDens 4.2x42 mm screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [5]	m²	2,0	2,0	2,0	2,0	2,0	2,0

[4] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[5] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90

Maximum acoustic insulation: 73 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 49,0-52,0 kg

Number of related document: ETA 15/0301

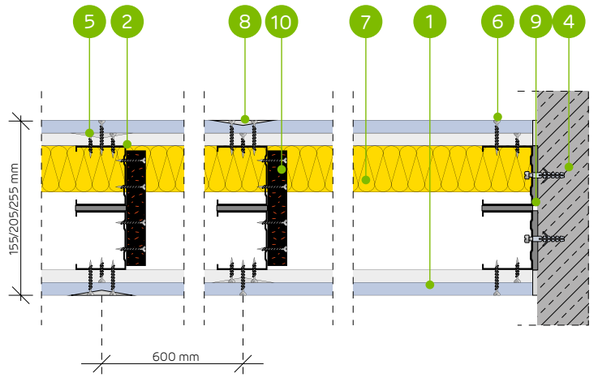
Declaration of Performance: DoP/Wall System /0002/15.11.2016

SYSTEMS:

155B50-PWA; 205B75-PWA; 255B100-PWA

MATERIALS:

1. Nida Expert + Nida Cicha plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. FixDens 4.2 x 42 mm screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 / 70 / 95 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



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THE ACOUSTIC PARTITION WALL SYSTEM ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (HYBRID WALLS – EXPERT/CICHA; NIDA PWA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
155B50-PWA/Expert+Cicha typ A	C50+C50	Expert+Cicha typ A	12,5+12,5	2x50	38,0	-	-	5500	64	62	56	49,0	(R)EI60	IV	●
155B50-PWA/Woda+Cicha typ A	C50+C50	Woda+Cicha typ A	12,5+12,5	2x50	38,0	-	-	5500	64	62	56	49,0	(R)EI60	IV	●
205B75-PWA/Expert+Cicha typ A	C75+C75	Expert+Cicha typ A	12,5+12,5	2x75	38,0	-	-	6200	66 [4]	63	56	50,0	(R)EI60	IV	●
205B75-PWA/Woda+Cicha typ A	C75+C75	Woda+Cicha typ A	12,5+12,5	2x75	38,0	-	-	6200	66 [4]	63	56	50,0	(R)EI60	IV	●
255B100-PWA/Expert+Cicha typ A	C100+C100	Expert+Cicha typ A	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI60	IV	●
255B100-PWA/Woda+Cicha typ A	C100+C100	Woda+Cicha typ A	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI60	IV	●
155B50-PWA/Expert+Cicha	C50+C50	Expert + Cicha	12,5+12,5	2x50	38,0	-	-	5500	64	62	56	49,0	(R)EI90	IV	●
155B50-PWA/Woda+Cicha [3]	C50+C50	Woda + Cicha	12,5+12,5	2x50	38,0	-	-	5500	64	62	56	49,0	(R)EI90	IV	●
205B75-PWA/Expert+Cicha	C75+C75	Expert + Cicha	12,5+12,5	2x75	38,0	-	-	6200	66 [4]	63	56	50,0	(R)EI90	IV	●
205B75-PWA/Woda+Cicha [3]	C75+C75	Woda + Cicha	12,5+12,5	2x75	38,0	-	-	6200	66 [4]	63	56	50,0	(R)EI90	IV	●
255B100-PWA/Expert+Cicha	C100+C100	Expert + Cicha	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI90	IV	●
255B100-PWA/Woda+Cicha [3]	C100+C100	Woda + Cicha	12,5+12,5	2x100	38,0	-	-	6500	73 [4]	69	61	52,0	(R)EI90	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] Nida Cicha board type DFH1IR; as an alternative the NIDA Ciężka type DFH1IR should be utilised.
[4] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana											
		155B50-PWA/ Expert+Cicha typ A	155B50-PWA/ Woda+Cicha typ A	205B75-PWA/ Expert+Cicha typ A	205B75-PWA/ Woda+Cicha typ A	255B100-PWA/ Expert+Cicha typ A	255B100-PWA/ Woda+Cicha typ A	155B50-PWA/ Expert+Cicha	155B50-PWA/ Woda+Cicha	205B75-PWA/ Expert+Cicha	205B75-PWA/ Woda+Cicha	255B100-PWA/ Expert+Cicha	255B100-PWA/ Woda+Cicha
		Consumption of material per 1 m²											
Nida Expert 12,5 mm plasterboard	m²	2,0	-	2,0	-	2,0	-	2,0	-	2,0	-	2,0	-
Nida Woda 12,5 mm plasterboard	m²	-	2,0	-	2,0	-	2,0	-	2,0	-	2,0	-	2,0
Nida Cicha type A 12,5 mm plasterboard	m²	2,0	2,0	2,0	2,0	2,0	2,0	-	-	-	-	-	-
Nida Cicha type DFH1IR 12,5 mm plasterboard	m²	-	-	-	-	-	-	2,0	2,0	2,0	2,0	2,0	2,0
Nida C50 profile	lm	3,6	3,6	-	-	-	-	3,6	3,6	-	-	-	-
Nida C75 profile	lm	-	-	3,6	3,6	-	-	-	-	3,6	3,6	-	-
Nida C100 profile	lm	-	-	-	-	3,6	3,6	-	-	-	-	3,6	3,6
Nida U50 profile	lm	1,4	1,4	-	-	-	-	1,4	1,4	-	-	-	-
Nida U75 profile	lm	-	-	1,4	1,4	-	-	-	-	1,4	1,4	-	-
Nida U100 profile	lm	-	-	-	-	1,4	1,4	-	-	-	-	1,4	1,4
PWA50 vibro-acoustic lacing	pcs.	1,1	1,1	-	-	-	-	1,1	1,1	-	-	-	-
PWA75 vibro-acoustic lacing	pcs.	-	-	1,1	1,1	-	-	-	-	1,1	1,1	-	-
PWA100 vibro-acoustic lacing	pcs.	-	-	-	-	1,1	1,1	-	-	-	-	1,1	1,1
Anchoring element [5]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x42 mm screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [6]	m²	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0

[5] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

www.siniat.pl

Nida systems search engine www.systemynida.pl

Explore the characteristics of the Nida PWA vibro-acoustic lacing – enter www.siniat.pl and download the brochure

nida Ściana

Fire resistance class: (R)EI60 (R)EI120

Maximum acoustic insulation: 70 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 56,0-57,0 kg

Number of related document: ETA 15/0301

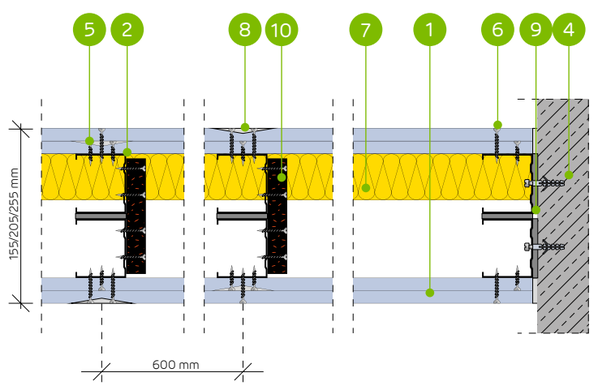
Declaration of Performance: DoP/Wall System /0002/15.11.2016

SYSTEMS:

155B50-PWA; 205B75-PWA; 255B100-PWA

MATERIALS:

1. Nida Cicha typ A or Nida Cicha typ DFH1IR plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. FixDens 4.2 x 25 mm screws
6. FixDens 4.2 x 42 mm screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 / 70 / 95 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (NIDA PWA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]		Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class [3]	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
		Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	R_w [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
155B50-PWA/Cicha typ A		C50+C50	Cicha typ A	2x12,5	2x50	14,5	-	-	5500	69	67	63	56,0	(R)EI60	IV	●
205B75-PWA/Cicha typ A		C75+C75	Cicha typ A	2x12,5	2x75	14,5	-	-	6200	67	66	62	57,0	(R)EI60	IV	●
255B100-PWA/Cicha typ A		C100+C100	Cicha typ A	2x12,5	2x100	14,5	-	-	6500	70	69	64	57,0	(R)EI60	IV	●
155B50-PWA/Cicha		C50+C50	Cicha [3]	2x12,5	2x50	14,5	-	-	5500	69	67	63	56,0	(R)EI120	IV	●
205B75-PWA/Cicha		C75+C75	Cicha [3]	2x12,5	2x75	14,5	-	-	6200	67	66	62	57,0	(R)EI120	IV	●
255B100-PWA/Cicha		C100+C100	Cicha [3]	2x12,5	2x100	14,5	-	-	6500	70	69	64	57,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] Nida Cicha board type DFH1IR; as an alternative the NIDA Ciężka type DFH1IR should be utilised.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		155B50-PWA/Cicha typ A	205B75-PWA/Cicha typ A	255B100-PWA/Cicha typ A	155B50-PWA/Cicha	205B75-PWA/Cicha	255B100-PWA/Cicha
		Consumption of material per 1 m²					
Nida Cicha type A 12,5 mm plasterboard	m²	4,0	4,0	4,0	-	-	-
Nida Cicha type DFH1IR 12,5 mm plasterboard	m²	-	-	-	4,0	4,0	4,0
Nida C50 profile	lm	3,6	-	-	3,6	-	-
Nida C75 profile	lm	-	3,6	-	-	3,6	-
Nida C100 profile	lm	-	-	3,6	-	-	3,6
Nida U50 profile	lm	1,4	-	-	1,4	-	-
Nida U75 profile	lm	-	1,4	-	-	1,4	-
Nida U100 profile	lm	-	-	1,4	-	-	1,4
PWA50 vibro-acoustic lacing	pcs.	1,1	-	-	1,1	-	-
PWA75 vibro-acoustic lacing	pcs.	-	1,1	-	-	1,1	-
PWA100 vibro-acoustic lacing	pcs.	-	-	1,1	-	-	1,1
Anchoring element [4]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x25 mm screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
FixDens 4.2x42 mm screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [5]	m²	2,0	2,0	2,0	2,0	2,0	2,0

[4] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[5] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI120

Maximum acoustic insulation: 68 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 60,0-65,0 kg

Number of related document: ETA 15/0301

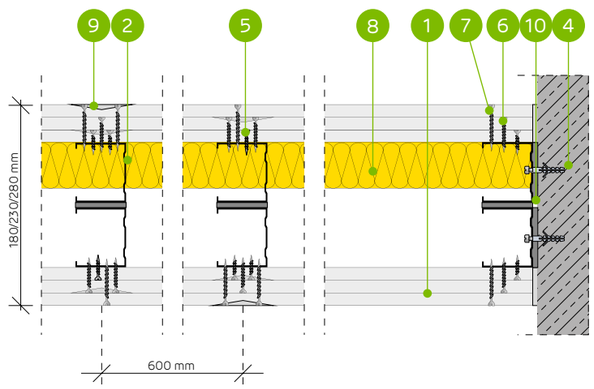
Declaration of Performance: DoP/Wall System /0002/15.11.2016

SYSTEMS:

180B50; 230B75; 280B100; 180BB50; 230BB75; 280BB100

MATERIALS:

1. Nida Ogień Typ F 12,5 mm plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Nida 3.5 x 55 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE AND DOUBLED STRUCTURES OF THE NIDA C50, C75, C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_W [dB]	[kg]	[min]	ETAG 003 class	
180B50/OgieńTypF	C50+C50	Ogień Typ F	3x12,5	2x50	13,0	50	10,0	4500	64	62	60	60,0	(R)EI120	IV	-
230B75/OgieńTypF	C75+C75	Ogień Typ F	3x12,5	2x50	13,0	50	10,0	6000	64	62	60	61,0	(R)EI120	IV	-
280B100/OgieńTypF	C100+C100	Ogień Typ F	3x12,5	2x100	12,0	50	10,0	6500	68	66	61	61,0	(R)EI120	IV	-
180BB50/OgieńTypF	2xC50+2xC50	Ogień Typ F	3x12,5	-	-	50	10,0	5500	-	-	-	63,0	(R)EI120	IV	-
230BB75/OgieńTypF	2xC75+2xC75	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	64,0	(R)EI120	IV	-
280BB100/OgieńTypF	2xC100+2xC100	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	65,0	(R)EI120	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. IMPORTANT! During the designing process of Type B walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		180B50/OgieńTypF	230B75/OgieńTypF	280B100/ OgieńTypF	180BB50/ OgieńTypF	230BB75/ OgieńTypF	280BB100/ OgieńTypF
		Consumption of material per 1 m²					
Nida Ogień Type F 12,5 mm plasterboard	m²	6,0	6,0	6,0	6,0	6,0	6,0
Nida C50 profile	lm	3,6	-	-	7,2	-	-
Nida C75 profile	lm	-	3,6	-	-	7,2	-
Nida C100 profile	lm	-	-	3,6	-	-	7,2
Nida U50 profile	lm	1,4	-	-	1,4	-	-
Nida U75 profile	lm	-	1,4	-	-	1,4	-
Nida U100 profile	lm	-	-	1,4	-	-	1,4
Anchoring element [3]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	-	-	-	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x35 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x55 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,8	1,8	1,8	1,8	1,8	1,8
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [4]	m²	2,0	2,0	2,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 69 dB

Maximum encasement height: 5500 mm

Weight of 1 m² of encasement: 37,0-56,0 kg

Number of related document: ETA 15/0301

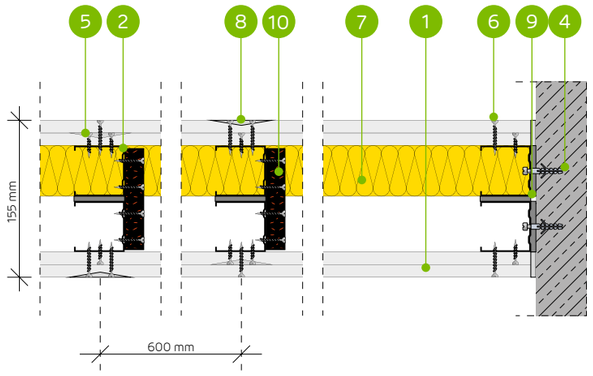
Declaration of Performance: DoP/Wall System /0002/15.11.2016

SYSTEMS:

155B50-PWA

MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile
3. Nida U 50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



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THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C50 PROFILES (NIDA PWA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{Ai} [dB]	R_{Ai} [dB]	[kg]	[min]	ETAG 003 class	
155B50-PWA/Expert [4] [6]	C50+C50	Expert	2x12,5	-	-	-	-	5500	49	44	40	37,0	(R)EI60	IV	-
155B50-PWA/Expert	C50+C50	Expert	2x12,5	2x50	14,5	50	10,0	5500	62	60	55	37,0	(R)EI60	IV	-
155B50-PWA/Woda [3]	C50+C50	Woda	2x12,5	2x50	14,5	50	10,0	5500	62	60	55	37,0	(R)EI60	IV	-
155B50-PWA/Expert + Ogień+	C50+C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	50	47	42	41,0	(R)EI90	IV	-
155B50-PWA/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	-	-	-	-	5500	53	50	44	45,0	(R)EI120	IV	-
155B50-PWA/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	2x50	10,0	50	10,0	5500	60	57	49	45,0	(R)EI120	IV	-
155B50-PWA/Ogień+	C50+C50	Ogień Plus	2x12,5	2x50	14,5	50	30,0	5500	63	60	55	45,0	(R)EI120	IV	-
155B50-PWA/WodaOgień+	C50+C50	Woda Ogień Plus	2x12,5	2x50	14,5	50	30,0	5500	63	60	55	45,0	(R)EI120	IV	-
155B50-PWA/Twarda	C50+C50	Twarda	2x12,5	2x50	14,5	50	30,0	5500	65	63	60	56,0	(R)EI120	IV	●
155B50-PWA/Hydro	C50+C50	Hydro	2x12,5	2x50	14,5	50	50,0	5500	63	60	55	48,0	(R)EI120	IV	●
155B50-PWA/Cicha	C50+C50	Cicha	2x12,5	2x50	14,5	50	30,0	5500	69	67	63	56,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		155B50-PWA/Expert [4]	155B50-PWA/Expert	155B50-PWA/Woda	155B50-PWA/Expert + Ogień+	155B50-PWA/Ogień+ [5]	155B50-PWA/Ogień+ [5]	155B50-PWA/Ogień+	155B50-PWA/WodaOgień+	155B50-PWA/Twarda	155B50-PWA/Hydro	155B50-PWA/Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U50 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida PWA50 vibro-acoustic lacing	pcs.	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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Nida systems search engine www.systemynida.pl

Explore the characteristics of the Nida PWA vibro-acoustic lacing – enter www.siniat.pl and download the brochure

nida Ściana

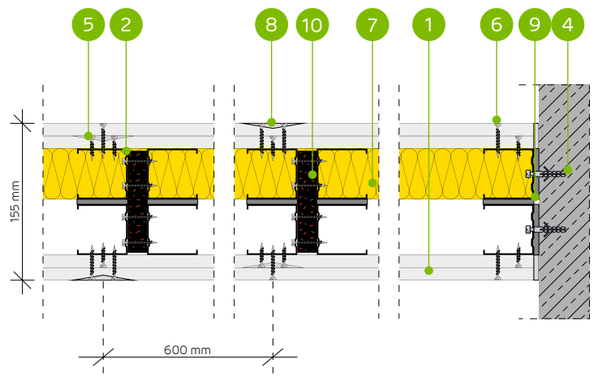
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	6330 mm	39,0-59,0 kg	ETA 15/0301

Declaration of Performance:
DoP/Wall System /0002/15.11.2016

SYSTEMS:
155BB50-PWA

MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile (doubled)
3. Nida U 50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



THE FIRST DRYWALL ENCASEMENT SYSTEM WITH THE CE MARKING AVAILABLE ON THE MARKET

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KONFEDERACJA BUDOWNICTWA I NIERUCHOMOŚCI

THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, DOUBLED STRUCTURES OF THE NIDA C50 PROFILES (NIDA PWA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
155BB50-PWA/Expert [4]	2xC50+2xC50	Expert	2x12,5	-	-	-	-	6330	-	-	-	39,0	(R)EI60	IV	-
155BB50-PWA/Expert	2xC50+2xC50	Expert	2x12,5	-	-	50	10,0	6330	-	-	-	39,0	(R)EI60	IV	-
155BB50-PWA/Woda [3]	2xC50+2xC50	Woda	2x12,5	-	-	50	10,0	6330	-	-	-	39,0	(R)EI60	IV	-
155BB50-PWA/Expert + Ogień+	2xC50+2xC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6330	-	-	-	43,0	(R)EI90	IV	-
155BB50-PWA/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	-	-	6330	-	-	-	47,0	(R)EI120	IV	-
155BB50-PWA/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	10,0	6330	-	-	-	47,0	(R)EI120	IV	-
155BB50-PWA/Ogień+	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	30,0	6330	-	-	-	47,0	(R)EI120	IV	-
155BB50-PWA/WodaOgień+	2xC50+2xC50	Woda Ogień Plus	2x12,5	-	-	50	30,0	6330	-	-	-	47,0	(R)EI120	IV	-
155BB50-PWA/Twarda	2xC50+2xC50	Twarda	2x12,5	-	-	50	30,0	6330	-	-	-	59,0	(R)EI120	IV	●
155BB50-PWA/Hydro	2xC50+2xC50	Hydro	2x12,5	-	-	50	50,0	6330	-	-	-	51,0	(R)EI120	IV	●
155BB50-PWA/Cicha	2xC50+2xC50	Cicha	2x12,5	-	-	50	30,0	6330	-	-	-	59,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		155BB50-PWA/Expert [4]	155BB50-PWA/Expert	155BB50-PWA/Woda	155BB50-PWA/Expert + Ogień+	155BB50-PWA/Ogień+ [5]	155BB50-PWA/Ogień+ [5]	155BB50-PWA/Ogień+	155BB50-PWA/WodaOgień+	155BB50-PWA/Twarda	155BB50-PWA/Hydro	155BB50-PWA/Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U50 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida PWA50 vibro-acoustic lacing	pcs.	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 67 dB

Maximum encasement height: 6200 mm

Weight of 1 m² of encasement: 37,0-57,0 kg

Number of related document: ETA 15/0301

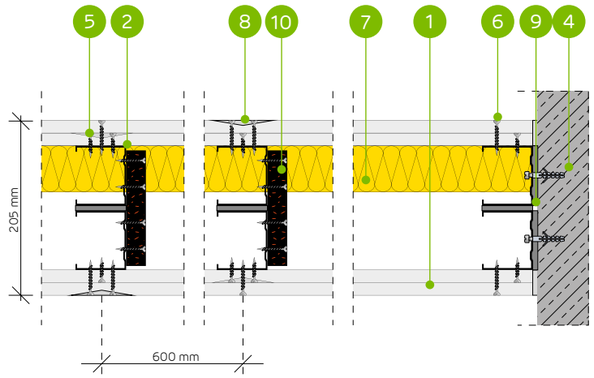
Declaration of Performance: DoP/Wall System /0002/15.11.2016

SYSTEMS:

205B75-PWA

MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



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THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C75 PROFILES (NIDA PWA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
205B75-PWA/Expert [4] [6]	C75+C75	Expert	2x12,5	-	-	-	-	6200	50	47	43	37,0	(R)EI60	IV	-
205B75-PWA/Expert	C75+C75	Expert	2x12,5	2x50	12,0	50	10,0	6200	64	62	55	37,0	(R)EI60	IV	-
205B75-PWA/Woda [3]	C75+C75	Woda	2x12,5	2x50	12,0	50	10,0	6200	64	62	55	37,0	(R)EI60	IV	-
205B75-PWA/Expert + Ogień+	C75+C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6200	52	48	45	41,0	(R)EI90	IV	-
205B75-PWA/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	-	-	-	-	6200	54	52	47	45,0	(R)EI120	IV	-
205B75-PWA/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	2x50	10,0	50	10,0	6200	64	61	54	45,0	(R)EI120	IV	-
205B75-PWA/Ogień+	C75+C75	Ogień Plus	2x12,5	2x50	12,0	50	30,0	6200	64	62	55	45,0	(R)EI120	IV	-
205B75-PWA/WodaOgień+	C75+C75	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	6200	64	62	55	45,0	(R)EI120	IV	-
205B75-PWA/Twarda	C75+C75	Twarda	2x12,5	2x75	14,5	50	30,0	6200	67	66	62	57,0	(R)EI120	IV	●
205B75-PWA/Hydro	C75+C75	Hydro	2x12,5	2x50	12,0	50	50,0	6200	64	62	55	49,0	(R)EI120	IV	●
205B75-PWA/Cicha	C75+C75	Cicha	2x12,5	2x75	14,5	50	30,0	6200	67	66	62	57,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana									
		205B75-PWA/Expert [4]	205B75-PWA/Expert	205B75-PWA/Woda	205B75-PWA/Expert + Ogień+	205B75-PWA/Ogień+ [5]	205B75-PWA/Ogień+ [5]	205B75-PWA/Ogień+	205B75-PWA/WodaOgień+	205B75-PWA/Twarda	205B75-PWA/Hydro	205B75-PWA/Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U75 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida PWA75 vibro-acoustic lacing	pcs.	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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nida Ściana

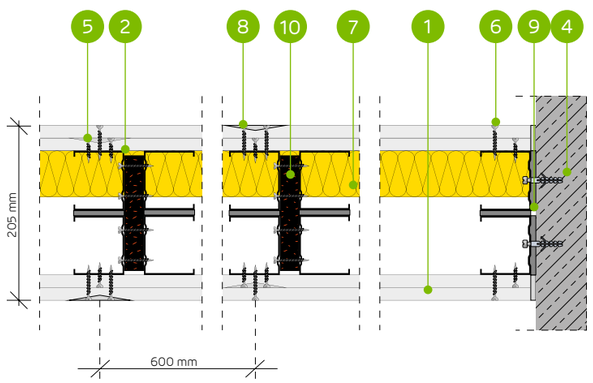
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	6500 mm	41,0-60,0 kg	ETA 15/0301

Declaration of Performance:
DoP/Wall System /0002/15.11.2016

SYSTEMS:
205BB75-PWA

MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile (doubled)
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, DOUBLED STRUCTURES OF THE NIDA C75 PROFILES (NIDA PWA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
205BB75-PWA/Expert [4]	2xC75+2xC75	Expert	2x12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI60	IV	-
205BB75-PWA/Expert	2xC75+2xC75	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
205BB75-PWA/Woda [3]	2xC75+2xC75	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
205BB75-PWA/Expert + Ogień+	2xC75+2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI90	IV	-
205BB75-PWA/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	49,0	(R)EI120	IV	-
205BB75-PWA/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	49,0	(R)EI120	IV	-
205BB75-PWA/Ogień+	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
205BB75-PWA/WodaOgień+	2xC75+2xC75	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
205BB75-PWA/Twarda	2xC75+2xC75	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●
205BB75-PWA/Hydro	2xC75+2xC75	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	52,0	(R)EI120	IV	●
205BB75-PWA/Cicha	2xC75+2xC75	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		205BB75-PWA/Expert [4]	205BB75-PWA/Expert	205BB75-PWA/Woda	205BB75-PWA/Expert + Ogień+	205BB75-PWA/Ogień+ [5]	205BB75-PWA/Ogień+ [5]	205BB75-PWA/Ogień+	205BB75-PWA/WodaOgień+	205BB75-PWA/Twarda	205BB75-PWA/Hydro	205BB75-PWA/Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U75 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida PWA75 vibro-acoustic lacing	pcs.	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro CS 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro CS 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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Nida systems search engine
www.systemynida.pl

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nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 70 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 38,0-57,0 kg

Number of related document: ETA 15/0301

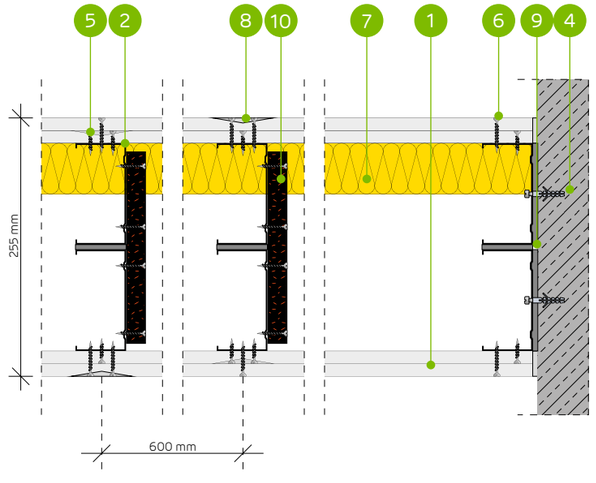
Declaration of Performance: DoP/Wall System /0002/15.11.2016

SYSTEMS:

255B100-PWA

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 95 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



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THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C100 PROFILES (NIDA PWA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
255B100-PWA/Expert [4] [6]	C100+C100	Expert	2x12,5	-	-	-	-	6500	51	48	45	38,0	(R)EI60	IV	-
255B100-PWA/Expert	C100+C100	Expert	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
255B100-PWA/Woda [3]	C100+C100	Woda	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
255B100-PWA/Expert + Ogień+	C100+C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	53	48	47	42,0	(R)EI90	IV	-
255B100-PWA/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	-	-	-	-	6500	55	53	49	46,0	(R)EI120	IV	-
255B100-PWA/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	2x100	10,0	50	10,0	6500	67	64	57	46,0	(R)EI120	IV	-
255B100-PWA/Ogień+	C100+C100	Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
255B100-PWA/WodaOgień+	C100+C100	Woda Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
255B100-PWA/Twarda	C100+C100	Twarda	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	●
255B100-PWA/Hydro	C100+C100	Hydro	2x12,5	2x100	12,0	50	50,0	6500	68	66	61	49,0	(R)EI120	IV	●
255B100-PWA/Cicha	C100+C100	Cicha	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.

The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		255B100-PWA/Expert [4]	255B100-PWA/Expert	255B100-PWA/Woda	255B100-PWA/Expert + Ogień+	255B100-PWA/ Ogień+ [5]	255B100-PWA/ Ogień+ [5]	255B100-PWA/ Ogień+	255B100-PWA/ WodaOgień+	255B100-PWA/ Twarda	255B100-PWA/Hydro	255B100-PWA/Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U100 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida PWA100 vibro-acoustic lacing	pcs.	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).

The standards concerning the amount of utilised material do not cover the loss of the material.

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Nida systems search engine www.systemynida.pl

Explore the characteristics of the Nida PWA vibro-acoustic lacing – enter www.siniat.pl and download the brochure

nida Ściana

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	6500 mm	42,0-61,0 kg	ETA 15/0301

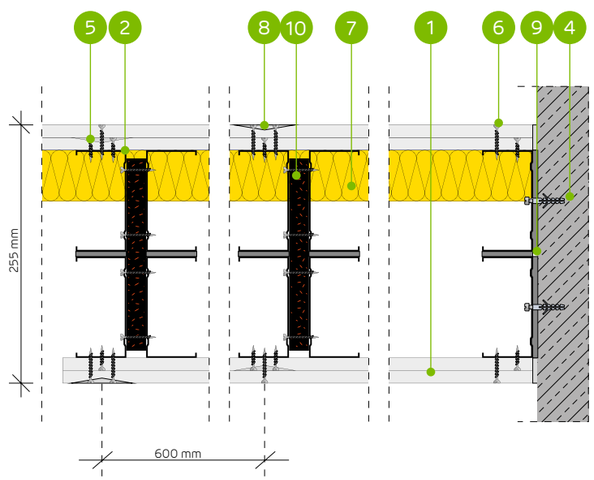
Declaration of Performance:
DoP/Wall System /0002/15.11.2016

SYSTEMS:

255BB100-PWA

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile (doubled)
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 95 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



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THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, DOUBLED STRUCTURES OF THE NIDA C100 PROFILES (NIDA PWA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
255BB100-PWA/Expert [4]	2xC100+2xC100	Expert	2x12,5	-	-	-	-	6500	-	-	-	42,0	(R)EI60	IV	-
255BB100-PWA/Expert	2xC100+2xC100	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
255BB100-PWA/Woda [3]	2xC100+2xC100	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
255BB100-PWA/Expert + Ogień+	2xC100+2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	46,0	(R)EI90	IV	-
255BB100-PWA/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	50,0	(R)EI120	IV	-
255BB100-PWA/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	50,0	(R)EI120	IV	-
255BB100-PWA/Ogień+	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
255BB100-PWA/WodaOgień+	2xC100+2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
255BB100-PWA/Twarda	2xC100+2xC100	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●
255BB100-PWA/Hydro	2xC100+2xC100	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	53,0	(R)EI120	IV	●
255BB100-PWA/Cicha	2xC100+2xC100	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		255BB100-PWA/Expert [4]	255BB100-PWA/Expert	255BB100-PWA/Woda	255BB100-PWA/Expert + Ogień+	255BB100-PWA/Ogień+ [5]	255BB100-PWA/Ogień+ [5]	255BB100-PWA/Ogień+	255BB100-PWA/WodaOgień+	255BB100-PWA/Twarda	255BB100-PWA/Hydro	255BB100-PWA/Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U100 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida PWA100 vibro-acoustic lacing	pcs.	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

www.siniat.pl

Nida systems search engine
www.systemynida.pl

Explore the characteristics of the Nida PWA vibro-acoustic lacing – enter www.siniat.pl and download the brochure

nida Ściana

Fire resistance class: (R)EI120

Maximum acoustic insulation: 68 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 60,0-65,0 kg

Number of related document: ETA 15/0301

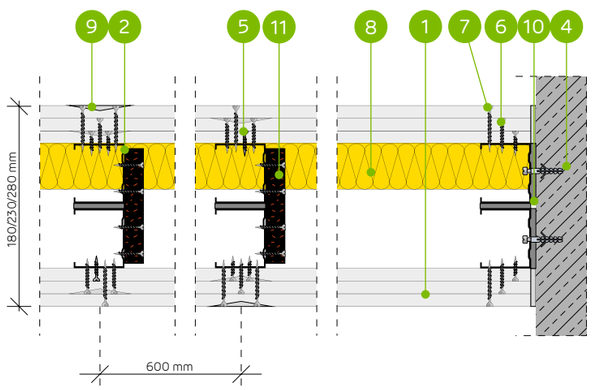
Declaration of Performance: DoP/Wall System /0002/15.11.2016

SYSTEMS:

180B50-PWA; 230B75-PWA; 280B100-PWA; 180BB50-PWA; 230BB75-PWA; 280BB100-PWA

MATERIALS:

1. Nida Ogień Typ F 12,5 mm plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Nida 3.5 x 55 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 50 / 70 / 95 mm
11. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (NIDA PWA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_W [dB]	[kg]	[min]	ETAG 003 class	
180B50-PWA/OgieńTypF	C50+C50	Ogień Typ F	3x12,5	2x50	13,0	50	10,0	5500	64	62	60	60,0	(R)EI120	IV	-
230B75-PWA/OgieńTypF	C75+C75	Ogień Typ F	3x12,5	2x50	13,0	50	10,0	6200	64	62	60	61,0	(R)EI120	IV	-
280B100-PWA/OgieńTypF	C100+C100	Ogień Typ F	3x12,5	2x100	12,0	50	10,0	6500	68	66	61	61,0	(R)EI120	IV	-
180BB50-PWA/OgieńTypF	2xC50+2xC50	Ogień Typ F	3x12,5	-	-	50	10,0	6330	-	-	-	63,0	(R)EI120	IV	-
230BB75-PWA/OgieńTypF	2xC75+2xC75	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	64,0	(R)EI120	IV	-
280BB100-PWA/OgieńTypF	2xC100+2xC100	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	65,0	(R)EI120	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1; ITB 1060/12/R48NK.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		180B50-PWA/ OgieńTypF	230B75-PWA/ OgieńTypF	280B100-PWA/ OgieńTypF	180BB50-PWA/ OgieńTypF	230BB75-PWA/ OgieńTypF	280BB100-PWA/ OgieńTypF
		Consumption of material per 1 m²					
Nida Ogień Type F 12,5 mm plasterboard	m²	6,0	6,0	6,0	6,0	6,0	6,0
Nida C50 profile	lm	3,6	-	-	7,2	-	-
Nida C75 profile	lm	-	3,6	-	-	7,2	-
Nida C100 profile	lm	-	-	3,6	-	-	7,2
Nida U50 profile	lm	1,4	-	-	1,4	-	-
Nida U75 profile	lm	-	1,4	-	-	1,4	-
Nida U100 profile	lm	-	-	1,4	-	-	1,4
Nida PWA50 vibro-acoustic lacing	pcs.	1,1	-	-	1,1	-	-
Nida PWA75 vibro-acoustic lacing	pcs.	-	1,1	-	-	1,1	-
Nida PWA100 vibro-acoustic lacing	pcs.	-	-	1,1	-	-	1,1
Anchoring element [3]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x35 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0
Nida 3.5x55 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	1,8	1,8	1,8	1,8	1,8	1,8
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [4]	m²	2,0	2,0	2,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: N/A

Maximum acoustic insulation: N/A

Maximum encasement height: 7000 mm

Weight of 1 m² of encasement: 28,0-33,0 kg

Number of related document: ETA 15/0301

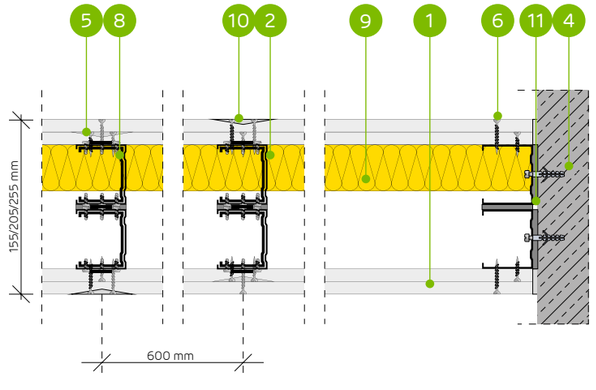
Declaration of Performance: DoP/Wall System /0002/15.11.2016

SYSTEMS:

155B50/LS; 205B75/LS; 255B100/LS;
155BB50/LS; 205BB75/LS; 255BB100/LS

MATERIALS:

1. Nida plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal
8. Nida LS 50 / LS 75 / LS 100 stabilising connector
9. Insulation material mineral wool
10. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
11. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE PARTITION WALL SYSTEM WITH PARTIAL SHEATHING ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (NIDA LS)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_{Atr} [dB]	[kg]	[min]	ETAG 003 class	
155B50/LS/Expert	C50+C50	Expert	2x12,5	2x50	10,0	-	-	4500	-	-	-	28,0	-	IV	-
205B75/LS/Expert	C75+C75	Expert	2x12,5	2x75	10,0	-	-	6000	-	-	-	29,0	-	IV	-
255B100/LS/Expert	C100+C100	Expert	2x12,5	2x100	10,0	-	-	6500	-	-	-	30,0	-	IV	-
155BB50/LS/Expert	2xC50+2xC50	Expert	2x12,5	2x50	10,0	-	-	5500	-	-	-	31,0	-	IV	-
205BB75/LS/Expert	2xC75+2xC75	Expert	2x12,5	2x75	10,0	-	-	6500	-	-	-	32,0	-	IV	-
255BB100/LS/Expert	2xC100+2xC100	Expert	2x12,5	2x100	10,0	-	-	7000	-	-	-	33,0	-	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1; ITB 1060/12/R42NK.
[2] European Technical Assessment ETA 15/0301.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		155B50/LS/ Expert	205B75/LS/ Expert	255B100/LS/Expert	155BB50/LS/Expert	205BB75/LS/Expert	255BB100/LS/ Expert
		Consumption of material per 1 m²					
Nida Expert 12,5 mm plasterboard	m²	3,0	3,0	3,0	3,0	3,0	3,0
Nida C50 profile	lm	3,6	-	-	7,2	-	-
Nida C75 profile	lm	-	3,6	-	-	7,2	-
Nida C100 profile	lm	-	-	3,6	-	-	7,2
Nida U50 profile	lm	1,4	-	-	1,4	-	-
Nida U75 profile	lm	-	1,4	-	-	1,4	-
Nida U100 profile	lm	-	-	1,4	-	-	1,4
Nida LS 50 stabilising connector	pcs.	0,8	-	-	1,6	-	-
Nida LS 75 stabilising connector	pcs.	-	0,8	-	-	1,6	-
Nida LS 100 stabilising connector	pcs.	-	-	0,8	-	-	1,6
Anchoring element [3]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	8,0	8,0	8,0	28,0	28,0	28,0
Nida 3.5x25 mm sheet metal screws	pcs.	6,0	6,0	6,0	6,0	6,0	6,0
Nida 3.5x35 mm sheet metal screws	pcs.	18,0	18,0	18,0	18,0	18,0	18,0
Nida reinforcement tape	lm	2,1	2,1	2,1	2,1	2,1	2,1
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4
Nida Start gypsum putty	kg	0,9	0,9	0,9	0,9	0,9	0,9
Nida Finish gypsum putty	kg	0,15	0,15	0,15	0,15	0,15	0,15
Mineral wool [4]	m²	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
[5] Optionally, apply insulation on the whole area of the wall.
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

THE TABLES FOR SELECTING THE MAXIMUM HEIGHT FOR THE NIDA ŚCIANA SYSTEM WITH THE APPLIED REDUCED SPACING AND/OR DOUBLING OF THE NIDA C50, C75, C100 LOAD-BEARING STRUCTURE WITHOUT FIRE RESISTANCE REQUIREMENTS (DOUBLE-ROW STRUCTURE)

TECHNICAL PARAMETERS

Nida Ściana system name	Number of Nida sheathing layers	Nida structure type		Maximum wall height - h [1]		ETAG 003
		Type of Nida profile	Axial spacing between Nida profiles	1 [2]	2 [3]	
	[mm]		[mm]	[mm]	[mm]	
155B50	2x12,5	C50+C50	600	4500	4000	IV
155B50-PWA	2x12,5	C50+C50	600	5500	4200	IV
155B50-400	2x12,5	C50+C50	400	4730	4200	IV
155B50-400-PWA	2x12,5	C50+C50	400	5700	4410	IV
155B50-300	2x12,5	C50+C50	300	5200	4620	IV
155B50-300-PWA	2x12,5	C50+C50	300	5900	4760	IV
155BB50	2x12,5	2xC50+2xC50	600	5500	5000	IV
155BB50-PWA	2x12,5	2xC50+2xC50	600	6330	5200	IV
155BB50-400	2x12,5	2xC50+2xC50	400	5780	5250	IV
155BB50-400-PWA	2x12,5	2xC50+2xC50	400	6560	5450	IV
155BB50-300	2x12,5	2xC50+2xC50	300	6000	5510	IV
155BB50-300-PWA	2x12,5	2xC50+2xC50	300	6790	5600	IV
205B75	2x12,5	C75+C75	600	6000	5250	IV
205B75-PWA	2x12,5	C75+C75	600	6200	5750	IV
205B75-400	2x12,5	C75+C75	400	6300	5510	IV
205B75-400-PWA	2x12,5	C75+C75	400	6510	6040	IV
205B75-300	2x12,5	C75+C75	300	6430	5620	IV
205B75-300-PWA	2x12,5	C75+C75	300	6840	6340	IV
205BB75	2x12,5	2xC75+2xC75	600	6500	5750	IV
205BB75-PWA	2x12,5	2xC75+2xC75	600	6970	6470	IV
205BB75-400	2x12,5	2xC75+2xC75	400	6630	5870	IV
205BB75-400-PWA	2x12,5	2xC75+2xC75	400	7180	6660	IV
205BB75-300	2x12,5	2xC75+2xC75	300	6760	5980	IV
205BB75-300-PWA	2x12,5	2xC75+2xC75	300	7400	6790	IV
255B100	2x12,5	C100+C100	600	6500	5750	IV
255B100-PWA	2x12,5	C100+C100	600	6700	6210	IV
255B100-400	2x12,5	C100+C100	400	6700	5920	IV
255B100-400-PWA	2x12,5	C100+C100	400	7030	6520	IV
255B100-300	2x12,5	C100+C100	300	6830	6040	IV
255B100-300-PWA	2x12,5	C100+C100	300	7240	6720	IV
255BB100	2x12,5	2xC100+2xC100	600	7000	6250	IV
255BB100-PWA	2x12,5	2xC100+2xC100	600	7160	6640	IV
255BB100-400	2x12,5	2xC100+2xC100	400	7210	6440	IV
255BB100-400-PWA	2x12,5	2xC100+2xC100	400	7520	6980	IV
255BB100-300	2x12,5	2xC100+2xC100	300	7350	6500	IV
255BB100-300-PWA	2x12,5	2xC100+2xC100	300	7750	7190	IV

[1] Technical opinion ITB 01060/21/R164NZK – part 1; ITB 1060/12/R48NK.
[2] Range 1 - includes the walls of rooms occupied by a limited number of people, e.g. apartment rooms, hotel rooms, hospital rooms, and other utilised in a similar manner.
[3] Range 2 - includes the walls of rooms occupied by a large number of people, e.g. large conference halls, classrooms, lecture rooms, and other utilised in a similar manner.

nida Ściana

THE TABLES FOR SELECTING THE MAXIMUM HEIGHT FOR THE NIDA ŚCIANA SYSTEM WITH THE APPLIED REDUCED SPACING AND/OR DOUBLING OF THE NIDA C50, C75, C100 LOAD-BEARING STRUCTURE WITHOUT FIRE RESISTANCE REQUIREMENTS (DOUBLE-ROW STRUCTURE)

TECHNICAL PARAMETERS

Nida Ściana system name	Number of Nida sheathing layers	Nida structure type		Maximum wall height - h [1]		ETAG 003
		Type of Nida profile	Axial spacing between Nida profiles	1 [2]	2 [3]	
	[mm]		[mm]	[mm]	[mm]	
180B50	3x12,5	C50+C50	600	4500	4000	IV
180B50-PWA	3x12,5	C50+C50	600	5500	4200	IV
180B50-400	3x12,5	C50+C50	400	4730	4200	IV
180B50-400-PWA	3x12,5	C50+C50	400	5700	4410	IV
180B50-300	3x12,5	C50+C50	300	5200	4620	IV
180B50-300-PWA	3x12,5	C50+C50	300	5900	4760	IV
180BB50	3x12,5	2xC50+2xC50	600	5500	5000	IV
180BB50-PWA	3x12,5	2xC50+2xC50	600	6330	5200	IV
180BB50-400	3x12,5	2xC50+2xC50	400	5780	5250	IV
180BB50-400-PWA	3x12,5	2xC50+2xC50	400	6560	5450	IV
180BB50-300	3x12,5	2xC50+2xC50	300	6000	5510	IV
180BB50-300-PWA	3x12,5	2xC50+2xC50	300	6790	5600	IV
230B75	3x12,5	C75+C75	600	6000	5250	IV
230B75-PWA	3x12,5	C75+C75	600	6200	5750	IV
230B75-400	3x12,5	C75+C75	400	6300	5510	IV
230B75-PWA-300	3x12,5	C75+C75	400	6510	6040	IV
230B75-400	3x12,5	C75+C75	300	6430	5620	IV
230B75-300-PWA	3x12,5	C75+C75	300	6840	6340	IV
230BB75	3x12,5	2xC75+2xC75	600	6500	5750	IV
230BB75-PWA	3x12,5	2xC75+2xC75	600	6970	6470	IV
230BB75-400	3x12,5	2xC75+2xC75	400	6630	5870	IV
230BB75-400-PWA	3x12,5	2xC75+2xC75	400	7180	6660	IV
230BB75-300	3x12,5	2xC75+2xC75	300	6760	5980	IV
230BB75-300-PWA	3x12,5	2xC75+2xC75	300	7400	6790	IV
280B100	3x12,5	C100+C100	600	6500	5750	IV
280B100-PWA	3x12,5	C100+C100	600	6700	6210	IV
280B100-400	3x12,5	C100+C100	400	6700	5920	IV
280B100-400-PWA	3x12,5	C100+C100	400	7030	6520	IV
280B100-300	3x12,5	C100+C100	300	6830	6040	IV
280B100-300-PWA	3x12,5	C100+C100	300	7240	6720	IV
280BB100	3x12,5	2xC100+2xC100	600	7000	6250	IV
280BB100-PWA	3x12,5	2xC100+2xC100	600	7160	6640	IV
280BB100-400	3x12,5	2xC100+2xC100	400	7210	6440	IV
280BB100-400-PWA	3x12,5	2xC100+2xC100	400	7520	6980	IV
280BB100-300	3x12,5	2xC100+2xC100	300	7350	6500	IV
280BB100-300-PWA	3x12,5	2xC100+2xC100	300	7750	7190	IV

[1] Technical opinion ITB 01060/21/R164NZK – part 1; ITB 1060/12/R48NK.
[2] Range 1 - includes the walls of rooms occupied by a limited number of people, e.g. apartment rooms, hotel rooms, hospital rooms, and other utilised in a similar manner.
[3] Range 2 - includes the walls of rooms occupied by a large number of people, e.g. large conference halls, classrooms, lecture rooms, and other utilised in a similar manner.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 69 dB

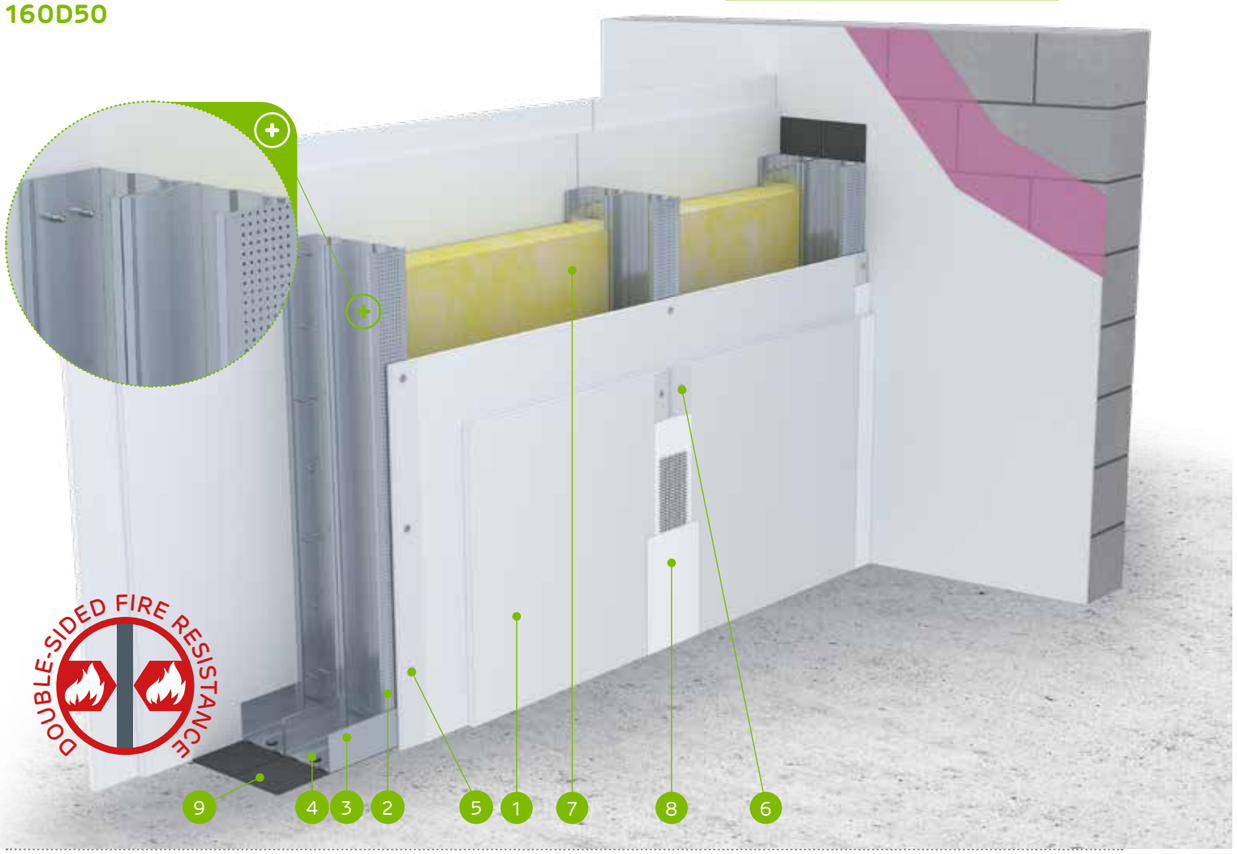
Maximum encasement height: 4500 mm

Weight of 1 m² of encasement: 37,0-56,0 kg

Number of related document: ETA 15/0301

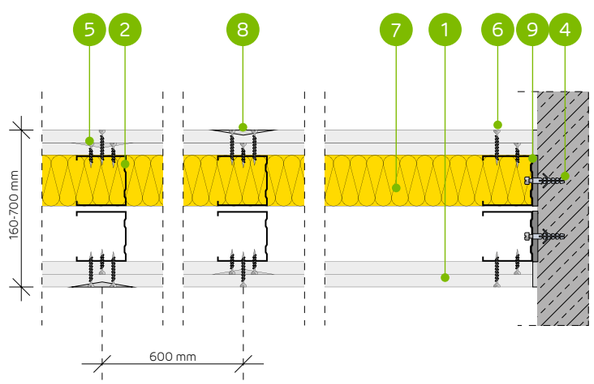
Declaration of Performance: DoP/Wall System /0004/15.11.2016

SYSTEMS:
160D50



MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile
3. Nida U 50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C50 PROFILES (DILATATION 10 MM)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
160D50/Expert [4] [6]	C50+C50	Expert	2x12,5	-	-	-	-	4500	49	44	40	37,0	(R)EI60	IV	-
160D50/Expert	C50+C50	Expert	2x12,5	2x50	14,5	50	10,0	4500	62	60	55	37,0	(R)EI60	IV	-
160D50/Woda [3]	C50+C50	Woda	2x12,5	2x50	14,5	50	10,0	4500	62	60	55	37,0	(R)EI60	IV	-
160D50/Expert + Ogień+	C50+C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4500	50	47	42	41,0	(R)EI90	IV	-
160D50/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	-	-	-	-	4500	53	50	44	45,0	(R)EI120	IV	-
160D50/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	2x50	10,0	50	10,0	4500	60	57	49	45,0	(R)EI120	IV	-
160D50/Ogień+	C50+C50	Ogień Plus	2x12,5	2x50	12,0	50	30,0	4500	62	60	55	45,0	(R)EI120	IV	-
160D50/WodaOgień+	C50+C50	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	4500	62	60	55	45,0	(R)EI120	IV	-
160D50/Twarda	C50+C50	Twarda	2x12,5	2x50	14,5	50	30,0	4500	65	63	60	56,0	(R)EI120	IV	●
160D50/Hydro	C50+C50	Hydro	2x12,5	2x50	12,0	50	50,0	4500	62	60	55	48,0	(R)EI120	IV	●
160D50/Cicha	C50+C50	Cicha	2x12,5	2x50	14,5	50	30,0	4500	69	67	63	56,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.

IMPORTANT! During the designing process of Type D walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		160D50/ Expert [4]	160D50/ Expert	160D50/ Woda	160D50/ Expert + Ogień+	160D50/ Ogień+ [5]	160D50/ Ogień+ [5]	160D50/ Ogień+	160D50/ WodaOgień+	160D50/ Twarda	160D50/ Hydro	160D50/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U50 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).

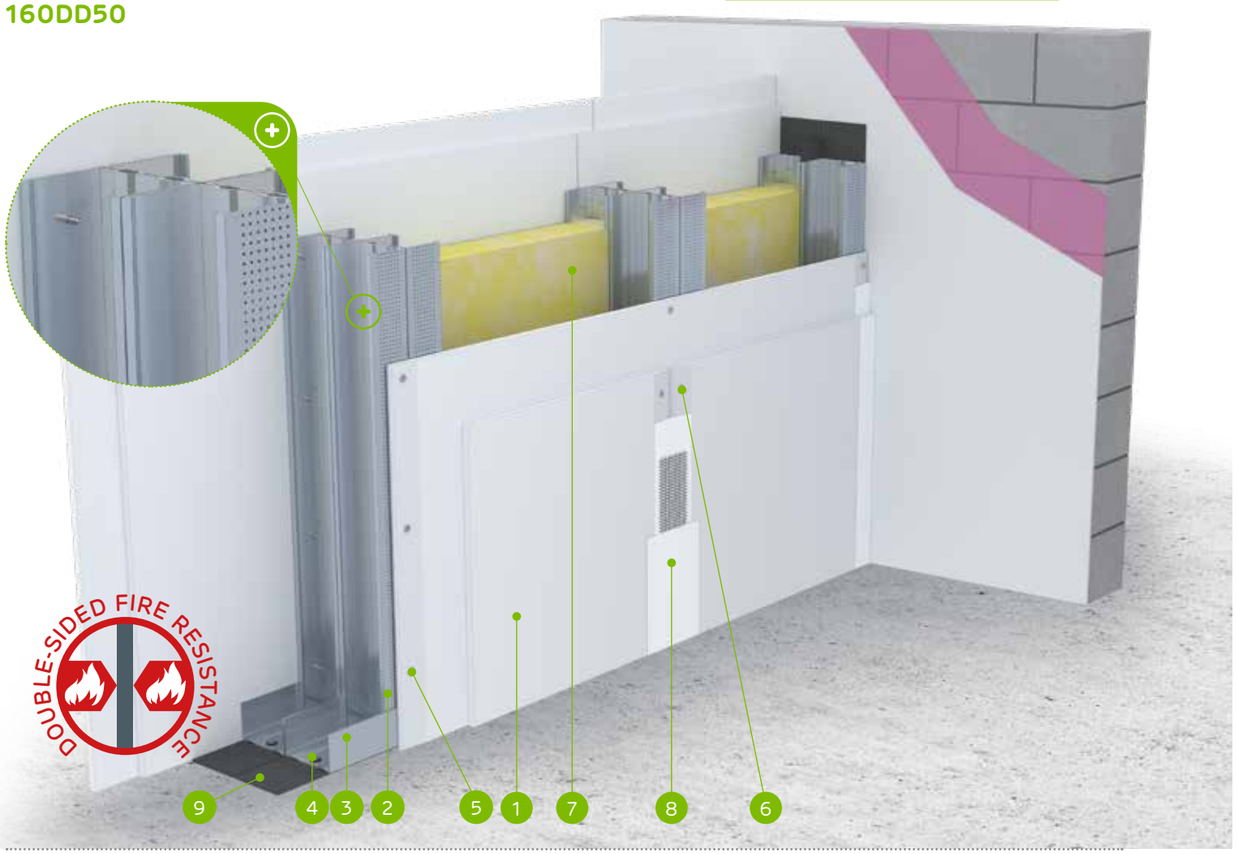
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	5560 mm	39,0-59,0 kg	ETA 15/0301

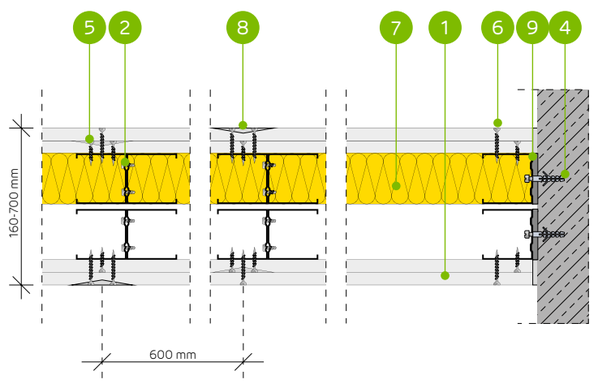
Declaration of Performance:
DoP/Wall System /0004/15.11.2016

SYSTEMS:
160DD50



MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile (doubled)
3. Nida U 50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, DOUBLED STRUCTURES OF THE NIDA C50 PROFILES (DILATATION 10 MM)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
160DD50/Expert [4]	2xC50+2xC50	Expert	2x12,5	-	-	-	-	5500	-	-	-	39,0	(R)EI60	IV	-
160DD50/Expert	2xC50+2xC50	Expert	2x12,5	-	-	50	10,0	5500	-	-	-	39,0	(R)EI60	IV	-
160DD50/Woda [3]	2xC50+2xC50	Woda	2x12,5	-	-	50	10,0	5500	-	-	-	39,0	(R)EI60	IV	-
160DD50/Expert + Ogień+	2xC50+2xC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	-	-	-	43,0	(R)EI90	IV	-
160DD50/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	-	-	5500	-	-	-	47,0	(R)EI120	IV	-
160DD50/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	10,0	5500	-	-	-	47,0	(R)EI120	IV	-
160DD50/Ogień+	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	47,0	(R)EI120	IV	-
160DD50/WodaOgień+	2xC50+2xC50	Woda Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	47,0	(R)EI120	IV	-
160DD50/Twarda	2xC50+2xC50	Twarda	2x12,5	-	-	50	30,0	5500	-	-	-	59,0	(R)EI120	IV	●
160DD50/Hydro	2xC50+2xC50	Hydro	2x12,5	-	-	50	50,0	5500	-	-	-	51,0	(R)EI120	IV	●
160DD50/Cicha	2xC50+2xC50	Cicha	2x12,5	-	-	50	30,0	5500	-	-	-	59,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.

IMPORTANT! During the designing process of Type D walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		160DD50/ Expert [4]	160DD50/ Expert	160DD50/ Woda	160DD50/ Expert + Ogień+	160DD50/ Ogień+ [5]	160DD50/ Ogień+ [5]	160DD50/ Ogień+	160DD50/ WodaOgień+	160DD50/ Twarda	160DD50/ Hydro	160DD50/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U50 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).

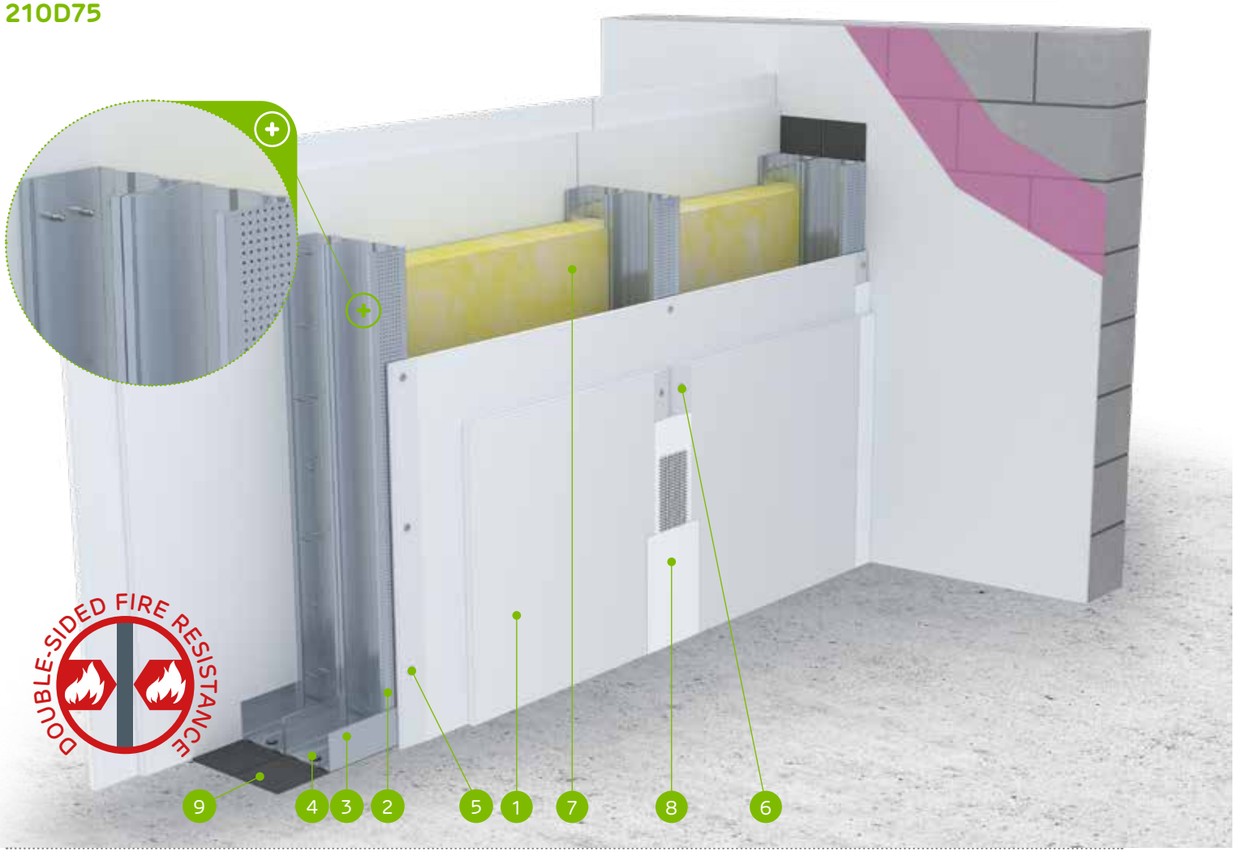
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	67 dB	6060 mm	37,0-57,0 kg	ETA 15/0301

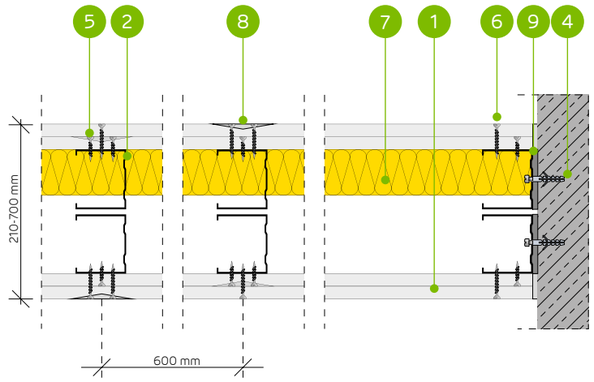
Declaration of Performance:
DoP/Wall System /0004/15.11.2016

SYSTEMS:
210D75



MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm



THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C75 PROFILES (DILATATION 10 MM) NIDA PWA

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A3} [dB]	[kg]	[min]	ETAG 003 class	
210D75/Expert [4] [6]	C75+C75	Expert	2x12,5	-	-	-	-	6000	50	47	43	37,0	(R)EI60	IV	-
210D75/Expert	C75+C75	Expert	2x12,5	2x50	12,0	50	10,0	6000	64	62	55	37,0	(R)EI60	IV	-
210D75/Woda [3]	C75+C75	Woda	2x12,5	2x50	12,0	50	10,0	6000	64	62	55	37,0	(R)EI60	IV	-
210D75/Expert + Ogień+	C75+C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6000	52	48	45	41,0	(R)EI90	IV	-
210D75/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	-	-	-	-	6000	54	52	47	45,0	(R)EI120	IV	-
210D75/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	2x50	10,0	50	10,0	6000	64	61	54	45,0	(R)EI120	IV	-
210D75/Ogień+	C75+C75	Ogień Plus	2x12,5	2x50	12,0	50	30,0	6000	64	62	55	45,0	(R)EI120	IV	-
210D75/WodaOgień+	C75+C75	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	6000	64	62	55	45,0	(R)EI120	IV	-
210D75/Twarda	C75+C75	Twarda	2x12,5	2x75	14,5	50	30,0	6000	67	66	62	57,0	(R)EI120	IV	●
210D75/Hydro	C75+C75	Hydro	2x12,5	2x50	12,0	50	50,0	6000	64	62	55	49,0	(R)EI120	IV	●
210D75/Cicha	C75+C75	Cicha	2x12,5	2x75	14,5	50	30,0	6000	67	66	62	57,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
IMPORTANT! During the designing process of Type D walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		210D75/ Expert [4]	210D75/ Expert	210D75/ Woda	210D75/ Expert + Ogień+	210D75/ Ogień+ [5]	210D75/ Ogień+ [5]	210D75/ Ogień+	210D75/ WodaOgień+	210D75/ Twarda	210D75/ Hydro	210D75/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U75 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

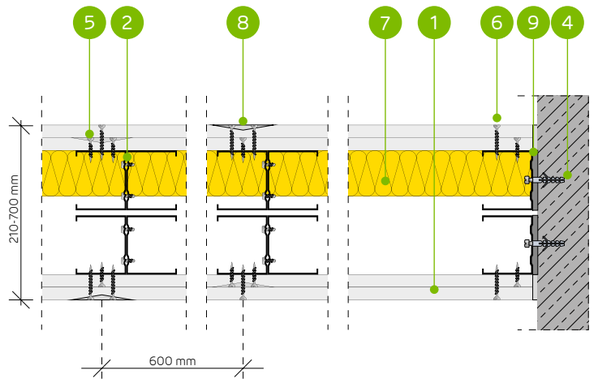
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	6500 mm	41,0-60,0 kg	ETA 15/0301

Declaration of Performance:
DoP/Wall System /0004/15.11.2016

SYSTEMS:
210DD75

MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile (doubled)
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm



THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, DOUBLED STRUCTURES OF THE NIDA C75 PROFILES (DILATATION 10 MM) NIDA PWA

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
210DD75/Expert [4]	2xC75+2xC75	Expert	2x12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI60	IV	-
210DD75/Expert	2xC75+2xC75	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
210DD75/Woda [3]	2xC75+2xC75	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
210DD75/Expert + Ogień+	2xC75+2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI90	IV	-
210DD75/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	49,0	(R)EI120	IV	-
210DD75/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	49,0	(R)EI120	IV	-
210DD75/Ogień+	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
210DD75/WodaOgień+	2xC75+2xC75	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
210DD75/Twarda	2xC75+2xC75	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●
210DD75/Hydro	2xC75+2xC75	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	52,0	(R)EI120	IV	●
210DD75/Cicha	2xC75+2xC75	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.

IMPORTANT! During the designing process of Type D walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		210DD75/ Expert [4]	210DD75/ Expert	210DD75/ Woda	210DD75/ Expert + Ogień+	210DD75/ Ogień+ [5]	210DD75/ Ogień+ [5]	210DD75/ Ogień+	210DD75/ WodaOgień+	210DD75/ Twarda	210DD75/ Hydro	210DD75/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U75 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [6]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [7]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).

The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 70 dB

Maximum encasement height: 6500 mm

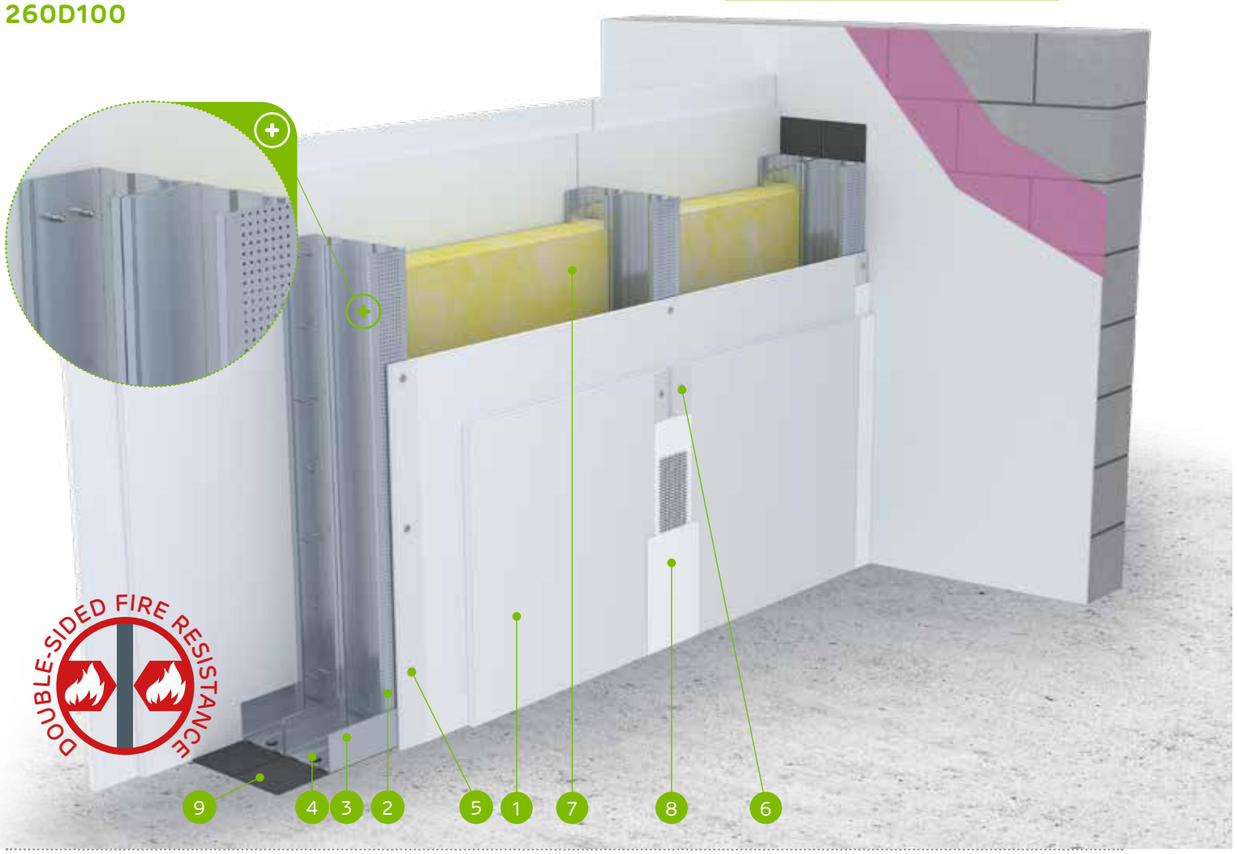
Weight of 1 m² of encasement: 38,0-57,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0004/15.11.2016

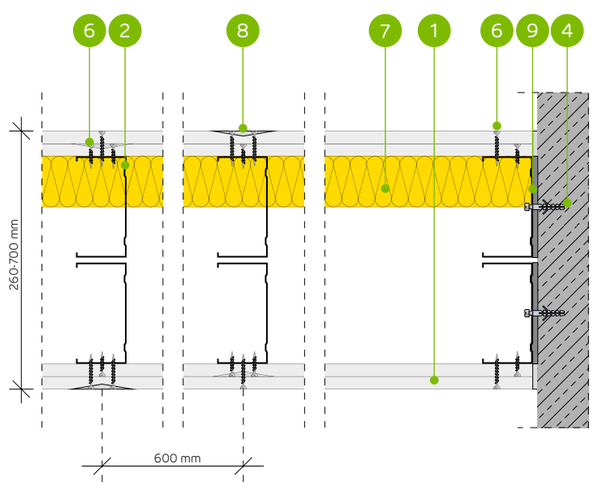
SYSTEMS:

260D100



MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 95 mm



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THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C100 PROFILES (DILATATION 10 MM) NIDA PWA

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_{Atr} [dB]	[kg]	[min]	ETAG 003 class	
260D100/Expert [4] [6]	C100+C100	Expert	2x12,5	-	-	-	-	6500	51	48	45	38,0	(R)EI60	IV	-
260D100/Expert	C100+C100	Expert	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
260D100/Woda [3]	C100+C100	Woda	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
260D100/Expert + Ogień+	C100+C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	53	48	47	42,0	(R)EI90	IV	-
260D100/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	-	-	-	-	6500	55	53	49	46,0	(R)EI120	IV	-
260D100/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	2x100	10,0	50	10,0	6500	67	64	57	46,0	(R)EI120	IV	-
260D100/Ogień+	C100+C100	Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
260D100/WodaOgień+	C100+C100	Woda Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
260D100/Twarda	C100+C100	Twarda	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	●
260D100/Hydro	C100+C100	Hydro	2x12,5	2x100	12,0	50	50,0	6500	68	66	61	49,0	(R)EI120	IV	●
260D100/Cicha	C100+C100	Cicha	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.

IMPORTANT! During the designing process of Type D walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		260D100/ Expert [4]	260D100/ Expert	260D100/ Woda	260D100/ Expert + Ogień+	260D100/ Ogień+ [5]	260D100/ Ogień+ [5]	260D100/ Ogień+	260D100/ WodaOgień+	260D100/ Twarda	260D100/ Hydro	260D100/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U100 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).

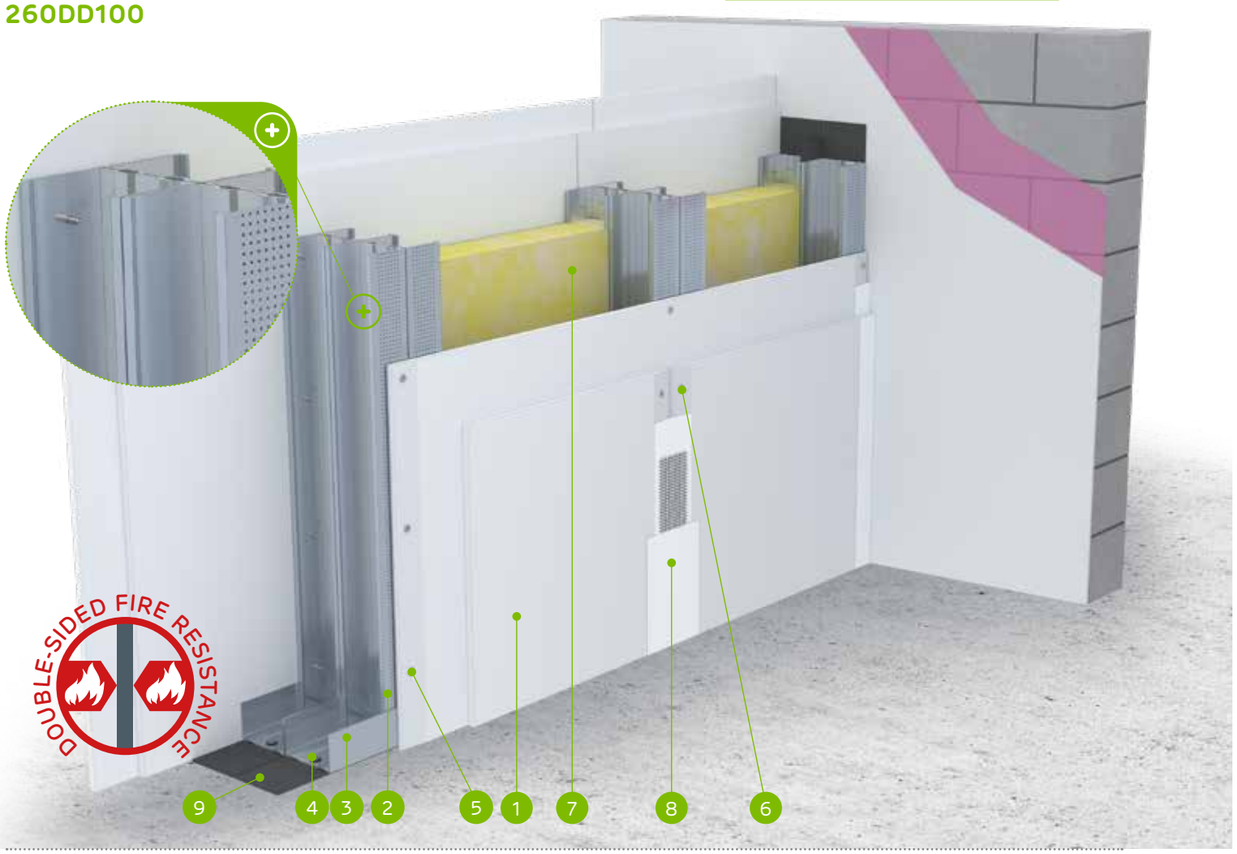
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	6500 mm	42,0-61,0 kg	ETA 15/0301

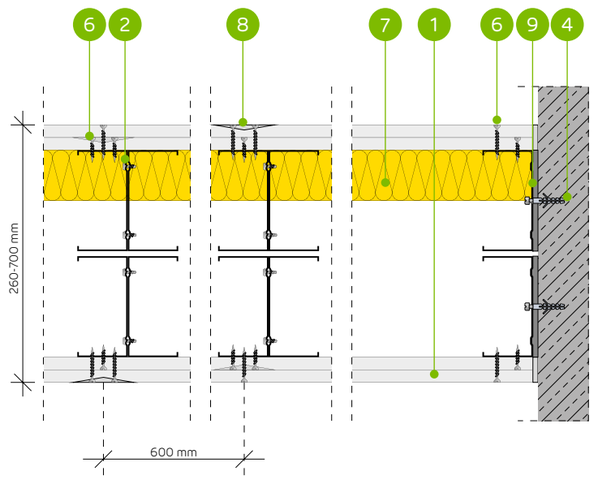
Declaration of Performance:
DoP/Wall System /0004/15.11.2016

SYSTEMS:
260DD100



MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile (doubled)
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 95 mm



THE FIRST DRYWALL ENCASEMENT SYSTEM WITH THE CE MARKING AVAILABLE ON THE MARKET

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KONFEDERACJA BUDOWNICTWA I NIERUCHOMOŚCI

THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, DOUBLED STRUCTURES OF THE NIDA C100 PROFILES (DILATATION 10 MM) NIDA PWA

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{Ax1} [dB]	R_{Ax2} [dB]	[kg]	[min]	ETAG 003 class	
260DD100/Expert [4]	2xC100+2xC100	Expert	2x12,5	-	-	-	-	6500	-	-	-	42,0	(R)EI60	IV	-
260DD100/Expert	2xC100+2xC100	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
260DD100/Woda [3]	2xC100+2xC100	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
260DD100/Expert + Ogień+	2xC100+2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	46,0	(R)EI90	IV	-
260DD100/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	50,0	(R)EI120	IV	-
260DD100/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	50,0	(R)EI120	IV	-
260DD100/Ogień+	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
260DD100/WodaOgień+	2xC100+2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
260DD100/Twarda	2xC100+2xC100	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●
260DD100/Hydro	2xC100+2xC100	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	53,0	(R)EI120	IV	●
260DD100/Cicha	2xC100+2xC100	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
IMPORTANT! During the designing process of Type D walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		260DD100/ Expert [4]	260DD100/ Expert	260DD100/ Woda	260DD100/ Expert + Ogień+	260DD100/ Ogień+ [5]	260DD100/ Ogień+ [5]	260DD100/ Ogień+	260DD100/ WodaOgień+	260DD100/ Twarda	260DD100/ Hydro	260DD100/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U100 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

www.siniat.pl

Nida systems search engine
www.systemynida.pl

Calculator of the Nida systems
www.siniat.pl/kalkulatory

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nida Ściana

Fire resistance class: (R)EI120

Maximum acoustic insulation: 68 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 60,0-65,0 kg

Number of related document: ETA 15/0301

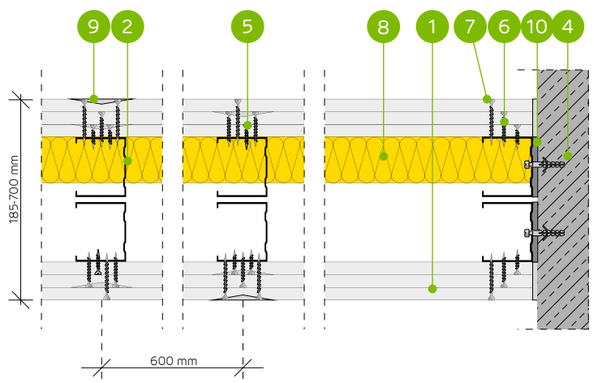
Declaration of Performance: DoP/Wall System /0004/15.11.2016

SYSTEMS:

185D50; 235D75; 285D100; 185DD50; 235DD75; 285DD100

MATERIALS:

1. Nida Ogień Typ F 12,5 mm plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Nida 3.5 x 55 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (DILATATION 10 MM)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_W [dB]	[kg]	[min]	ETAG 003 class	
185D50/OgieńTypF	C50+C50	Ogień Typ F	3x12,5	2x50	13,0	50	10,0	4500	64	62	60	60,0	(R)EI120	IV	-
235D75/OgieńTypF	C75+C75	Ogień Typ F	3x12,5	2x50	13,0	50	10,0	6000	64	62	60	61,0	(R)EI120	IV	-
285D100/OgieńTypF	C100+C100	Ogień Typ F	3x12,5	2x100	12,0	50	10,0	6500	68	66	61	61,0	(R)EI120	IV	-
185DD50/OgieńTypF	2xC50+2xC50	Ogień Typ F	3x12,5	-	-	50	10,0	5500	-	-	-	63,0	(R)EI120	IV	-
235DD75/OgieńTypF	2xC75+2xC75	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	64,0	(R)EI120	IV	-
285DD100/OgieńTypF	2xC100+2xC100	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	65,0	(R)EI120	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. IMPORTANT! During the designing process of Type D walls, when dealing with the maximum acceptable wall height, it is advisable to consult a Siniat Technical Advisor in order to verify the requirements considering rigidity of a partition (this does not include the wall systems with the Nida PWA vibro-acoustic lacing).
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		185D50/OgieńTypF	235D75/OgieńTypF	285D100/ OgieńTypF	185DD50/ OgieńTypF	235DD75/ OgieńTypF	285DD100/ OgieńTypF
		Consumption of material per 1 m²					
Nida Ogień Type F 12,5 mm plasterboard	m²	6,0	6,0	6,0	6,0	6,0	6,0
Nida C50 profile	lm	3,6	-	-	7,2	-	-
Nida C75 profile	lm	-	3,6	-	-	7,2	-
Nida C100 profile	lm	-	-	3,6	-	-	7,2
Nida U50 profile	lm	1,4	-	-	1,4	-	-
Nida U75 profile	lm	-	1,4	-	-	1,4	-
Nida U100 profile	lm	-	-	1,4	-	-	1,4
Anchoring element [3]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	-	-	-	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x35 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x55 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,8	1,8	1,8	1,8	1,8	1,8
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [4]	m²	2,0	2,0	2,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 69 dB

Maximum encasement height: 5560 mm

Weight of 1 m² of encasement: 37,0-56,0 kg

Number of related document: ETA 15/0301

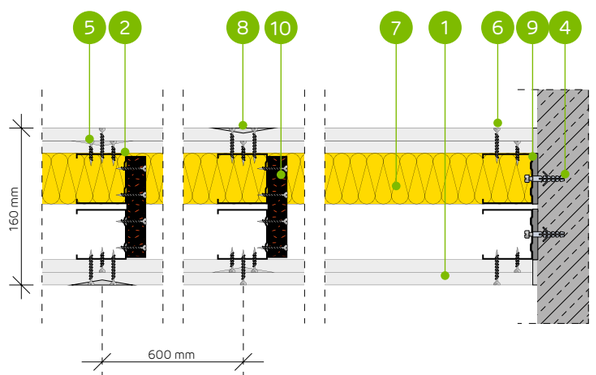
Declaration of Performance: DoP/Wall System /0004/15.11.2016

SYSTEMS:

160D50-PWA

MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile
3. Nida U 50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



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THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C50 PROFILES (DILATATION 10 MM) NIDA PWA

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
160D50-PWA/Expert [4] [6]	C50+C50	Expert	2x12,5	-	-	-	-	5500	49	44	40	37,0	(R)EI60	IV	-
160D50-PWA/Expert	C50+C50	Expert	2x12,5	2x50	14,5	50	10,0	5500	62	60	55	37,0	(R)EI60	IV	-
160D50-PWA/Woda [3]	C50+C50	Woda	2x12,5	2x50	14,5	50	10,0	5500	62	60	55	37,0	(R)EI60	IV	-
160D50-PWA/Expert + Ogień+	C50+C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	50	47	42	41,0	(R)EI90	IV	-
160D50-PWA/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	-	-	-	-	5500	53	50	44	45,0	(R)EI120	IV	-
160D50-PWA/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	2x50	10,0	50	10,0	5500	60	57	49	45,0	(R)EI120	IV	-
160D50-PWA/Ogień+	C50+C50	Ogień Plus	2x12,5	2x50	14,5	50	30,0	5500	63	60	55	45,0	(R)EI120	IV	-
160D50-PWA/WodaOgień+	C50+C50	Woda Ogień Plus	2x12,5	2x50	14,5	50	30,0	5500	63	60	55	45,0	(R)EI120	IV	-
160D50-PWA/Twarda	C50+C50	Twarda	2x12,5	2x50	14,5	50	30,0	5500	65	63	60	56,0	(R)EI120	IV	●
160D50-PWA/Hydro	C50+C50	Hydro	2x12,5	2x50	14,5	50	50,0	5500	63	60	55	48,0	(R)EI120	IV	●
160D50-PWA/Cicha	C50+C50	Cicha	2x12,5	2x50	14,5	50	30,0	5560	69	67	63	56,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		160D50-PWA/Expert [4]	160D50-PWA/Expert	160D50-PWA/Woda	160D50-PWA/Expert + Ogień+	160D50-PWA/Ogień+ [5]	160D50-PWA/Ogień+ [5]	160D50-PWA/Ogień+	160D50-PWA/WodaOgień+	160D50-PWA/Twarda	160D50-PWA/Hydro	160D50-PWA/Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U50 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida PWA50 vibro-acoustic lacing	pcs.	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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Explore the characteristics of the Nida PWA vibro-acoustic lacing – enter www.siniat.pl and download the brochure

nida Ściana

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	6390 mm	39,0-59,0 kg	ETA 15/0301

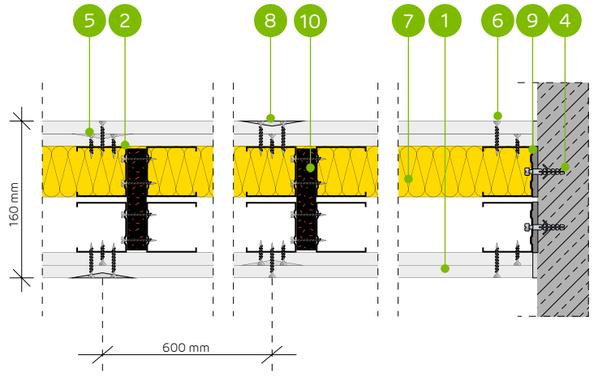
Declaration of Performance:
DoP/Wall System /0004/15.11.2016

SYSTEMS:

160DD50-PWA

MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile (doubled)
3. Nida U 50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, DOUBLED STRUCTURES OF THE NIDA C50 PROFILES (DILATATION 10 MM) NIDA PWA

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
160DD50-PWA/Expert [4]	2xC50+2xC50	Expert	2x12,5	-	-	-	-	6390	-	-	-	39,0	(R)EI60	IV	-
160DD50-PWA/Expert	2xC50+2xC50	Expert	2x12,5	-	-	50	10,0	6390	-	-	-	39,0	(R)EI60	IV	-
160DD50-PWA/Woda [3]	2xC50+2xC50	Woda	2x12,5	-	-	50	10,0	6390	-	-	-	39,0	(R)EI60	IV	-
160DD50-PWA/Expert + Ogień+	2xC50+2xC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6390	-	-	-	43,0	(R)EI90	IV	-
160DD50-PWA/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	-	-	6390	-	-	-	47,0	(R)EI120	IV	-
160DD50-PWA/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	10,0	6390	-	-	-	47,0	(R)EI120	IV	-
160DD50-PWA/Ogień+	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	30,0	6390	-	-	-	47,0	(R)EI120	IV	-
160DD50-PWA/WodaOgień+	2xC50+2xC50	Woda Ogień Plus	2x12,5	-	-	50	30,0	6390	-	-	-	47,0	(R)EI120	IV	-
160DD50-PWA/Twarda	2xC50+2xC50	Twarda	2x12,5	-	-	50	30,0	6390	-	-	-	59,0	(R)EI120	IV	●
160DD50-PWA/Hydro	2xC50+2xC50	Hydro	2x12,5	-	-	50	50,0	6390	-	-	-	51,0	(R)EI120	IV	●
160DD50-PWA/Cicha	2xC50+2xC50	Cicha	2x12,5	-	-	50	30,0	6390	-	-	-	59,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		160DD50-PWA/Expert [4]	160DD50-PWA/Expert	160DD50-PWA/Woda	160DD50-PWA/Expert + Ogień+	160DD50-PWA/Ogień+ [5]	160DD50-PWA/Ogień+ [5]	160DD50-PWA/Ogień+	160DD50-PWA/WodaOgień+	160DD50-PWA/Twarda	160DD50-PWA/Hydro	160DD50-PWA/Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U50 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida PWA50 vibro-acoustic lacing	pcs.	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

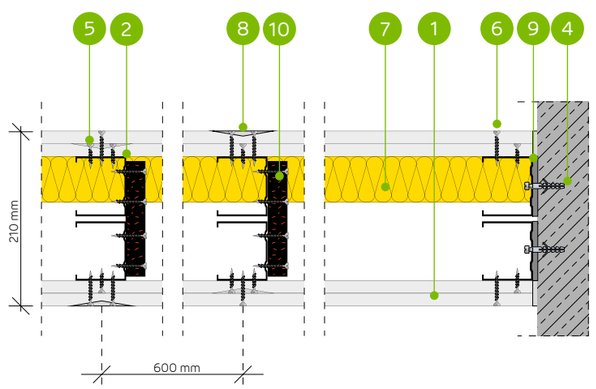
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	67 dB	6260 mm	37,0-57,0 kg	ETA 15/0301

Declaration of Performance:
DoP/Wall System /0004/15.11.2016

SYSTEMS:
210D75-PWA

MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C75 PROFILES (DILATATION 10 MM) NIDA PWA

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
210D75-PWA/Expert [4] [6]	C75+C75	Expert	2x12,5	-	-	-	-	6260	50	47	43	37,0	(R)EI60	IV	-
210D75-PWA/Expert	C75+C75	Expert	2x12,5	2x50	12,0	50	10,0	6260	64	62	55	37,0	(R)EI60	IV	-
210D75-PWA/Woda [3]	C75+C75	Woda	2x12,5	2x50	12,0	50	10,0	6260	64	62	55	37,0	(R)EI60	IV	-
210D75-PWA/Expert + Ogień+	C75+C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6260	52	48	45	41,0	(R)EI90	IV	-
210D75-PWA/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	-	-	-	-	6260	54	52	47	45,0	(R)EI120	IV	-
210D75-PWA/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	2x75	10,0	50	10,0	6260	64	61	54	45,0	(R)EI120	IV	-
210D75-PWA/Ogień+	C75+C75	Ogień Plus	2x12,5	2x50	12,0	50	30,0	6260	64	62	55	45,0	(R)EI120	IV	-
210D75-PWA/WodaOgień+	C75+C75	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	6260	64	62	55	45,0	(R)EI120	IV	-
210D75-PWA/Twarda	C75+C75	Twarda	2x12,5	2x75	14,5	50	30,0	6260	67	66	62	57,0	(R)EI120	IV	●
210D75-PWA/Hydro	C75+C75	Hydro	2x12,5	2x50	12,0	50	50,0	6260	64	62	55	49,0	(R)EI120	IV	●
210D75-PWA/Cicha	C75+C75	Cicha	2x12,5	2x75	14,5	50	30,0	6260	67	66	62	57,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		210D75-PWA/Expert [4]	210D75-PWA/Expert	210D75-PWA/Woda	210D75-PWA/Expert + Ogień+	210D75-PWA/Ogień+ [5]	210D75-PWA/Ogień+ [5]	210D75-PWA/Ogień+	210D75-PWA/WodaOgień+	210D75-PWA/Twarda	210D75-PWA/Hydro	210D75-PWA/Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U75 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida PWA75 vibro-acoustic lacing	pcs.	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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nida Ściana

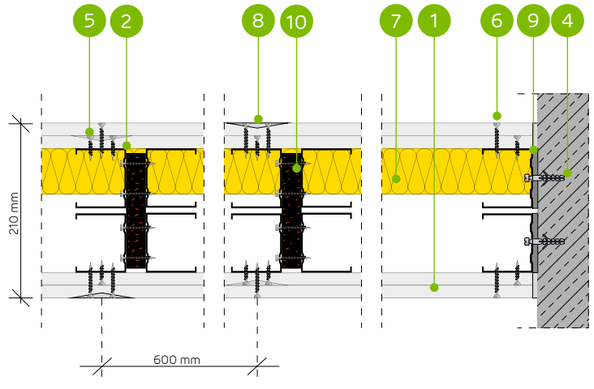
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	6500 mm	41,0-60,0 kg	ETA 15/0301

Declaration of Performance:
DoP/Wall System /0004/15.11.2016

SYSTEMS:
210DD75-PWA

MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile (doubled)
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, DOUBLED STRUCTURES OF THE NIDA C75 PROFILES (DILATATION 10 MM) NIDA PWA

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{s1} [dB]	R_{s2} [dB]	[kg]	[min]	ETAG 003 class	
210DD75-PWA/Expert [4]	2xC75+2xC75	Expert	2x12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI60	IV	-
210DD75-PWA/Expert	2xC75+2xC75	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
210DD75-PWA/Woda [3]	2xC75+2xC75	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
210DD75-PWA/Expert + Ogień+	2xC75+2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI90	IV	-
210DD75-PWA/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	49,0	(R)EI120	IV	-
210DD75-PWA/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	49,0	(R)EI120	IV	-
210DD75-PWA/Ogień+	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
210DD75-PWA/WodaOgień+	2xC75+2xC75	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
210DD75-PWA/Twarda	2xC75+2xC75	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●
210DD75-PWA/Hydro	2xC75+2xC75	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	52,0	(R)EI120	IV	●
210DD75-PWA/Cicha	2xC75+2xC75	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		210DD75-PWA/Expert [4]	210DD75-PWA/Expert	210DD75-PWA/Woda	210DD75-PWA/Expert + Ogień+	210DD75-PWA/Ogień+ [5]	210DD75-PWA/Ogień+ [5]	210DD75-PWA/Ogień+	210DD75-PWA/WodaOgień+	210DD75-PWA/Twarda	210DD75-PWA/Hydro	210DD75-PWA/Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U75 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida PWA75 vibro-acoustic lacing	pcs.	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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Nida systems search engine
www.systemynida.pl

Explore the characteristics of the Nida PWA vibro-acoustic lacing – enter www.siniat.pl and download the brochure

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 70 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 38,0-57,0 kg

Number of related document: ETA 15/0301

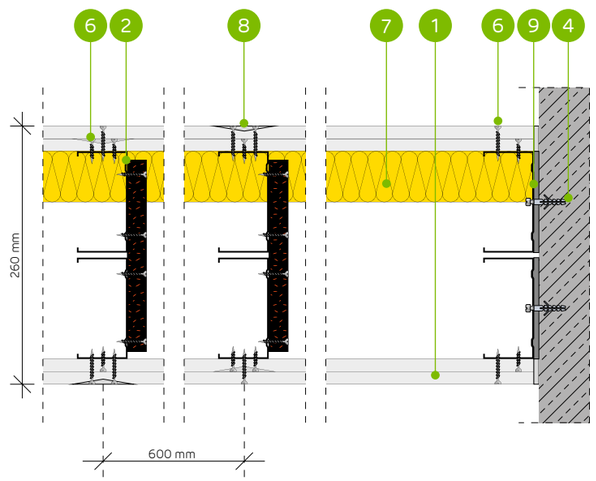
Declaration of Performance: DoP/Wall System /0004/15.11.2016

SYSTEMS:

260D100-PWA

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 95 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



THE FIRST DRYWALL ENCASEMENT SYSTEM WITH THE CE MARKING AVAILABLE ON THE MARKET

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KONFEDERACJA BUDOWNICTWA I NIERUCHOMOŚCI

THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C100 PROFILES (DILATATION 10 MM) NIDA PWA

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
260D100-PWA/Expert [4] [6]	C100+C100	Expert	2x12,5	-	-	-	-	6500	51	48	45	38,0	(R)EI60	IV	-
260D100-PWA/Expert	C100+C100	Expert	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
260D100-PWA/Woda [3]	C100+C100	Woda	2x12,5	2x100	12,0	50	10,0	6500	67	65	58	38,0	(R)EI60	IV	-
260D100-PWA/Expert + Ogień+	C100+C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	53	48	47	42,0	(R)EI90	IV	-
260D100-PWA/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	-	-	-	-	6500	55	53	49	46,0	(R)EI120	IV	-
260D100-PWA/Ogień+ [5] [6]	C100+C100	Ogień Plus	2x12,5	2x100	10,0	50	10,0	6500	67	64	57	46,0	(R)EI120	IV	-
260D100-PWA/Ogień+	C100+C100	Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
260D100-PWA/WodaOgień+	C100+C100	Woda Ogień Plus	2x12,5	2x100	12,0	50	30,0	6500	68	66	61	46,0	(R)EI120	IV	-
260D100-PWA/Twarda	C100+C100	Twarda	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	●
260D100-PWA/Hydro	C100+C100	Hydro	2x12,5	2x100	12,0	50	50,0	6500	68	66	61	49,0	(R)EI120	IV	●
260D100-PWA/Cicha	C100+C100	Cicha	2x12,5	2x100	14,5	50	30,0	6500	70	69	64	57,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.

The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		260D100-PWA/Expert [4]	260D100-PWA/Expert	260D100-PWA/Woda	260D100-PWA/Expert + Ogień+	260D100-PWA/ Ogień+ [5]	260D100-PWA/ Ogień+ [5]	260D100-PWA/ Ogień+	260D100-PWA/ WodaOgień+	260D100-PWA/ Twarda	260D100-PWA/Hydro	260D100-PWA/Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U100 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida PWA100 vibro-acoustic lacing	pcs.	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).

The standards concerning the amount of utilised material do not cover the loss of the material.

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Nida systems search engine www.systemynida.pl

Explore the characteristics of the Nida PWA vibro-acoustic lacing – enter www.siniat.pl and download the brochure

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: N/A

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 42,0-61,0 kg

Number of related document: ETA 15/0301

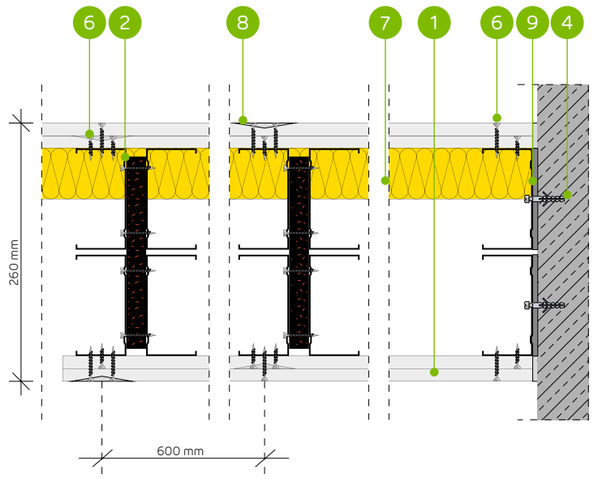
Declaration of Performance: DoP/Wall System /0004/15.11.2016

SYSTEMS:

260DD100-PWA

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile (doubled)
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 95 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



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THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, DOUBLED STRUCTURES OF THE NIDA C100 PROFILES (DILATATION 10 MM) NIDA PWA

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
260DD100-PWA/Expert [4]	2xC100+2xC100	Expert	2x12,5	-	-	-	-	6500	-	-	-	42,0	(R)EI60	IV	-
260DD100-PWA/Expert	2xC100+2xC100	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
260DD100-PWA/Woda [3]	2xC100+2xC100	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
260DD100-PWA/Expert + Ogień+	2xC100+2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	46,0	(R)EI90	IV	-
260DD100-PWA/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	50,0	(R)EI120	IV	-
260DD100-PWA/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	50,0	(R)EI120	IV	-
260DD100-PWA/Ogień+	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
260DD100-PWA/WodaOgień+	2xC100+2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
260DD100-PWA/Twarda	2xC100+2xC100	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●
260DD100-PWA/Hydro	2xC100+2xC100	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	53,0	(R)EI120	IV	●
260DD100-PWA/Cicha	2xC100+2xC100	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.

The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		260DD100-PWA/Expert [4]	260DD100-PWA/Expert	260DD100-PWA/Woda	260DD100-PWA/Expert + Ogień+	260DD100-PWA/Ogień+ [5]	260DD100-PWA/Ogień+ [5]	260DD100-PWA/Ogień+	260DD100-PWA/WodaOgień+	260DD100-PWA/Twarda	260DD100-PWA/Hydro	260DD100-PWA/Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U100 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida PWA100 vibro-acoustic lacing	pcs.	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).

The standards concerning the amount of utilised material do not cover the loss of the material.

www.siniat.pl

Nida systems search engine www.systemynida.pl

Explore the characteristics of the Nida PWA vibro-acoustic lacing – enter www.siniat.pl and download the brochure

nida Ściana

Fire resistance class: (R)EI120

Maximum acoustic insulation: 68 dB

Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 60,0-65,0 kg

Number of related document: ETA 15/0301

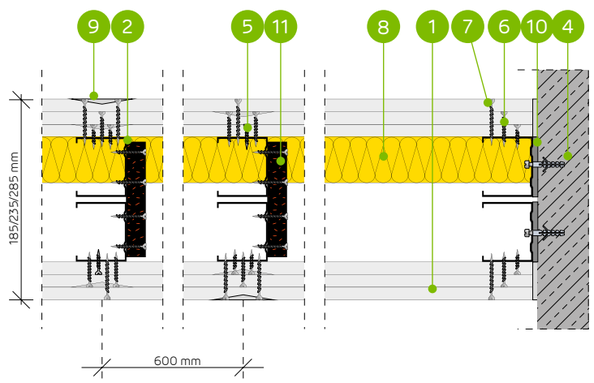
Declaration of Performance: DoP/Wall System /0004/15.11.2016

SYSTEMS:

185D50-PWA; 235D75-PWA; 285D100-PWA; 185DD50-PWA; 235DD75-PWA; 285DD100-PWA

MATERIALS:

1. Nida Ogień Typ F 12,5 mm plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Nida 3.5 x 55 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 50 / 70 / 95 mm
11. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (DILATATION 10 MM) NIDA PWA

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
185D50-PWA/OgieńTypF	C50+C50	Ogień Typ F	3x12,5	2x50	13,0	50	10,0	5500	64	62	60	60,0	(R)EI120	IV	-
235D75-PWA/OgieńTypF	C75+C75	Ogień Typ F	3x12,5	2x50	13,0	50	10,0	6260	64	62	60	61,0	(R)EI120	IV	-
285D100-PWA/OgieńTypF	C100+C100	Ogień Typ F	3x12,5	2x100	12,0	50	10,0	6500	68	66	61	61,0	(R)EI120	IV	-
185DD50-PWA/OgieńTypF	2xC50+2xC50	Ogień Typ F	3x12,5	-	-	50	10,0	6390	-	-	-	63,0	(R)EI120	IV	-
235DD75-PWA/OgieńTypF	2xC75+2xC75	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	64,0	(R)EI120	IV	-
285DD100-PWA/OgieńTypF	2xC100+2xC100	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	65,0	(R)EI120	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1; ITB 1060/12/R48NK.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		185D50-PWA/ OgieńTypF	235D75-PWA/ OgieńTypF	285D100-PWA/ OgieńTypF	185DD50-PWA/ OgieńTypF	235DD75-PWA/ OgieńTypF	285DD100-PWA/ OgieńTypF
		Consumption of material per 1 m²					
Nida Ogień Type F 12,5 mm plasterboard	m²	6,0	6,0	6,0	6,0	6,0	6,0
Nida C50 profile	lm	3,6	-	-	7,2	-	-
Nida C75 profile	lm	-	3,6	-	-	7,2	-
Nida C100 profile	lm	-	-	3,6	-	-	7,2
Nida U50 profile	lm	1,4	-	-	1,4	-	-
Nida U75 profile	lm	-	1,4	-	-	1,4	-
Nida U100 profile	lm	-	-	1,4	-	-	1,4
Nida PWA50 vibro-acoustic lacing	pcs.	1,1	-	-	1,1	-	-
Nida PWA75 vibro-acoustic lacing	pcs.	-	1,1	-	-	1,1	-
Nida PWA100 vibro-acoustic lacing	pcs.	-	-	1,1	-	-	1,1
Anchoring element [3]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x35 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0
Nida 3.5x55 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,8	1,8	1,8	1,8	1,8	1,8
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [4]	m²	2,0	2,0	2,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: N/A

Maximum acoustic insulation: N/A

Maximum encasement height: 7000 mm

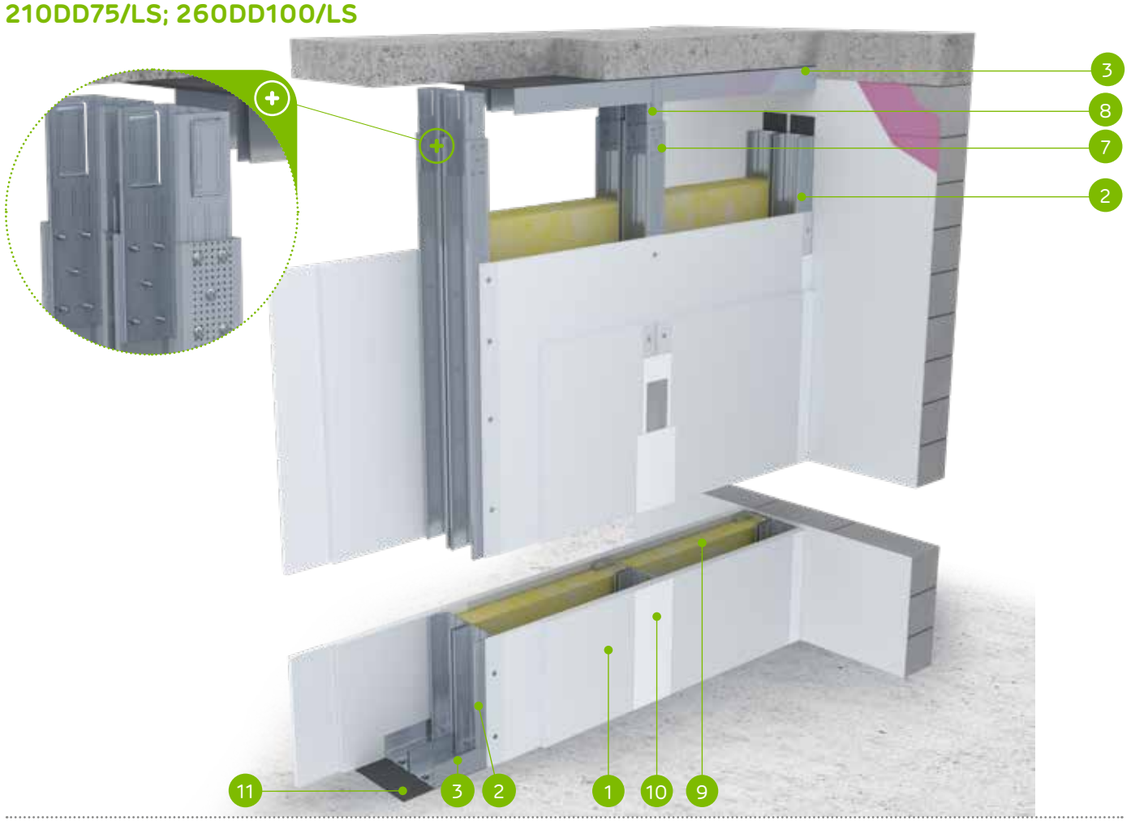
Weight of 1 m² of encasement: 28,0-33,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0004/15.11.2016

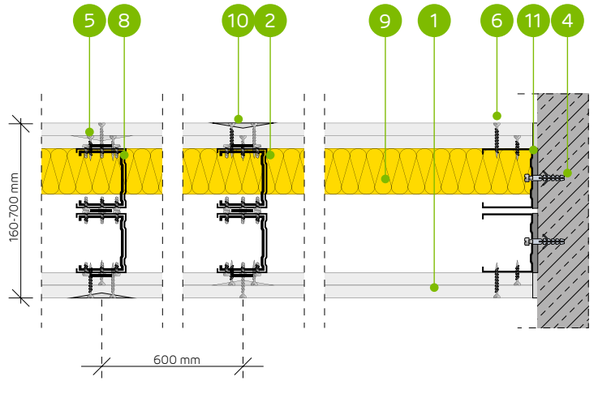
SYSTEMS:

160D50/LS; 210D75/LS; 260D100/LS; 160DD50/LS; 210DD75/LS; 260DD100/LS



MATERIALS:

1. Nida plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal
8. Nida LS 50 / LS 75 / LS 100 stabilising connector
9. Insulation material mineral wool
10. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
11. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE PARTITION WALL SYSTEM WITH PARTIAL SHEATHING ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (DILATATION 10 MM) NIDA LS

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_W [dB]	[kg]	[min]	ETAG 003 class	
160D50/LS/Expert	C50+C50	Expert	2x12,5	2x50	10,0	-	-	4500	-	-	-	28,0	-	IV	-
210D75/LS/Expert	C75+C75	Expert	2x12,5	2x75	10,0	-	-	6000	-	-	-	29,0	-	IV	-
260D100/LS/Expert	C100+C100	Expert	2x12,5	2x100	10,0	-	-	6500	-	-	-	30,0	-	IV	-
160DD50/LS/Expert	2xC50+2xC50	Expert	2x12,5	2x50	10,0	-	-	5500	-	-	-	31,0	-	IV	-
210DD75/LS/Expert	2xC75+2xC75	Expert	2x12,5	2x75	10,0	-	-	6500	-	-	-	32,0	-	IV	-
260DD100/LS/Expert	2xC100+2xC100	Expert	2x12,5	2x100	10,0	-	-	7000	-	-	-	33,0	-	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1; ITB 1060/12/R42NK.
[2] European Technical Assessment ETA 15/0301.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		160D50/LS/Expert	210D75/LS/Expert	260D100/LS/ Expert	160DD50/LS/ Expert	210DD75/LS/Expert	260DD100/LS/ Expert
		Consumption of material per 1 m²					
Nida Expert 12,5 mm plasterboard	m²	3,0	3,0	3,0	3,0	3,0	3,0
Nida C50 profile	lm	3,6	-	-	7,2	-	-
Nida C75 profile	lm	-	3,6	-	-	7,2	-
Nida C100 profile	lm	-	-	3,6	-	-	7,2
Nida U50 profile	lm	1,4	-	-	1,4	-	-
Nida U75 profile	lm	-	1,4	-	-	1,4	-
Nida U100 profile	lm	-	-	1,4	-	-	1,4
Nida LS 50 stabilising connector	pcs.	0,8	-	-	1,6	-	-
Nida LS 75 stabilising connector	pcs.	-	0,8	-	-	1,6	-
Nida LS 100 stabilising connector	pcs.	-	-	0,8	-	-	1,6
Anchoring element [3]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	8,0	8,0	8,0	28,0	28,0	28,0
Nida 3.5x25 mm sheet metal screws	pcs.	6,0	6,0	6,0	6,0	6,0	6,0
Nida 3.5x35 mm sheet metal screws	pcs.	18,0	18,0	18,0	18,0	18,0	18,0
Nida reinforcement tape	lm	2,1	2,1	2,1	2,1	2,1	2,1
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	0,9	0,9	0,9	0,9	0,9	0,9
Nida Finish gypsum putty	kg	0,15	0,15	0,15	0,15	0,15	0,15
Mineral wool [4]	m²	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
[5] Optionally, apply insulation on the whole area of the wall.
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

THE TABLES FOR SELECTING THE MAXIMUM HEIGHT FOR THE NIDA ŚCIANA SYSTEM WITH THE APPLIED REDUCED SPACING AND/OR DOUBLING OF THE NIDA C50, C75, C100 LOAD-BEARING STRUCTURE WITHOUT FIRE RESISTANCE REQUIREMENTS (DOUBLE-ROW STRUCTURE - DILATATION 10 MM)

TECHNICAL PARAMETERS

Nida Ściana system name	Number of Nida sheathing layers	Nida structure type		Maximum wall height - h [1]		ETAG 003
		Type of Nida profile	Axial spacing between Nida profiles	1 [2]	2 [3]	
	[mm]		[mm]	[mm]	[mm]	
160D50	2x12,5	C50+C50	600	4500	4040	IV
160D50-PWA	2x12,5	C50+C50	600	5500	4240	IV
160D50-400	2x12,5	C50+C50	400	4770	4240	IV
160D50-400-PWA	2x12,5	C50+C50	400	5760	4450	IV
160D50-300	2x12,5	C50+C50	300	5250	4670	IV
160D50-300-PWA	2x12,5	C50+C50	300	5960	4810	IV
160DD50	2x12,5	2xC50+2xC50	600	5500	5050	IV
160DD50-PWA	2x12,5	2xC50+2xC50	600	6390	5250	IV
160DD50-400	2x12,5	2xC50+2xC50	400	5830	5300	IV
160DD50-400-PWA	2x12,5	2xC50+2xC50	400	6620	5500	IV
160DD50-300	2x12,5	2xC50+2xC50	300	6120	5570	IV
160DD50-300-PWA	2x12,5	2xC50+2xC50	300	6850	5660	IV
210D75	2x12,5	C75+C75	600	6000	5300	IV
210D75-PWA	2x12,5	C75+C75	600	6260	5810	IV
210D75-400	2x12,5	C75+C75	400	6360	5570	IV
210D75-400-PWA	2x12,5	C75+C75	400	6580	6100	IV
210D75-300	2x12,5	C75+C75	300	6490	5680	IV
210D75-300-PWA	2x12,5	C75+C75	300	6900	6400	IV
210DD75	2x12,5	2xC75+2xC75	600	6500	5810	IV
210DD75-PWA	2x12,5	2xC75+2xC75	600	7040	6530	IV
210DD75-400	2x12,5	2xC75+2xC75	400	6700	5920	IV
210DD75-400-PWA	2x12,5	2xC75+2xC75	400	7250	6730	IV
210DD75-300	2x12,5	2xC75+2xC75	300	6830	6040	IV
210DD75-300-PWA	2x12,5	2xC75+2xC75	300	7470	6860	IV
260D100	2x12,5	C100+C100	600	6500	5810	IV
260D100-PWA	2x12,5	C100+C100	600	6760	6270	IV
260D100-400	2x12,5	C100+C100	400	6760	5980	IV
260D100-400-PWA	2x12,5	C100+C100	400	7100	6590	IV
260D100-300	2x12,5	C100+C100	300	6900	6100	IV
260D100-300-PWA	2x12,5	C100+C100	300	7310	6780	IV
260DD100	2x12,5	2xC100+2xC100	600	7000	6310	IV
260DD100-PWA	2x12,5	2xC100+2xC100	600	7240	6710	IV
260DD100-400	2x12,5	2xC100+2xC100	400	7280	6500	IV
260DD100-400-PWA	2x12,5	2xC100+2xC100	400	7600	7050	IV
260DD100-300	2x12,5	2xC100+2xC100	300	7430	6630	IV
260DD100-300-PWA	2x12,5	2xC100+2xC100	300	7830	7260	IV

[1] Technical opinion ITB 01060/21/R164NZK – part 1; ITB 1060/12/R48NK.
[2] Range 1 - includes the walls of rooms occupied by a limited number of people, e.g. apartment rooms, hotel rooms, hospital rooms, and other utilised in a similar manner.
[3] Range 2 - includes the walls of rooms occupied by a large number of people, e.g. large conference halls, classrooms, lecture rooms, and other utilised in a similar manner.

nida Ściana

THE TABLES FOR SELECTING THE MAXIMUM HEIGHT FOR THE NIDA ŚCIANA SYSTEM WITH THE APPLIED REDUCED SPACING AND/OR DOUBLING OF THE NIDA C50, C75, C100 LOAD-BEARING STRUCTURE WITHOUT FIRE RESISTANCE REQUIREMENTS (DOUBLE-ROW STRUCTURE - DILATATION 10 MM)

TECHNICAL PARAMETERS

Nida Ściana system name	Number of Nida sheathing layers	Nida structure type		Maximum wall height - h [1]		ETAG 003
		Type of Nida profile	Axial spacing between Nida profiles	1 [2]	2 [3]	
	[mm]		[mm]	[mm]	[mm]	
185D50	3x12,5	C50+C50	600	4500	4040	IV
185D50-PWA	3x12,5	C50+C50	600	5500	4240	IV
185D50-400	3x12,5	C50+C50	400	4770	4240	IV
185D50-400-PWA	3x12,5	C50+C50	400	5760	4450	IV
185D50-300	3x12,5	C50+C50	300	5250	4670	IV
185D50-300-PWA	3x12,5	C50+C50	300	5960	4810	IV
185DD50	3x12,5	2xC50+2xC50	600	5500	5050	IV
185DD50-PWA	3x12,5	2xC50+2xC50	600	6390	5250	IV
185DD50-400	3x12,5	2xC50+2xC50	400	5830	5300	IV
185DD50-400-PWA	3x12,5	2xC50+2xC50	400	6620	5500	IV
185DD50-300	3x12,5	2xC50+2xC50	300	6120	5570	IV
185DD50-300-PWA	3x12,5	2xC50+2xC50	300	6850	5660	IV
235D75	3x12,5	C75+C75	600	6000	5300	IV
235D75-PWA	3x12,5	C75+C75	600	6260	5810	IV
235D75-400	3x12,5	C75+C75	400	6360	5570	IV
235D75-400-PWA	3x12,5	C75+C75	400	6580	6100	IV
235D75-300	3x12,5	C75+C75	300	6490	5680	IV
235D75-300-PWA	3x12,5	C75+C75	300	6900	6400	IV
235DD75	3x12,5	2xC75+2xC75	600	6500	5810	IV
235DD75-PWA	3x12,5	2xC75+2xC75	600	7040	6530	IV
235DD75-400	3x12,5	2xC75+2xC75	400	6700	5920	IV
235DD75-400-PWA	3x12,5	2xC75+2xC75	400	7250	6730	IV
235DD75-300	3x12,5	2xC75+2xC75	300	6830	6040	IV
235DD75-300-PWA	3x12,5	2xC75+2xC75	300	7470	6860	IV
285D100	3x12,5	C100+C100	600	6500	5810	IV
285D100-PWA	3x12,5	C100+C100	600	6760	6270	IV
285D100-400	3x12,5	C100+C100	400	6760	5980	IV
285D100-400-PWA	3x12,5	C100+C100	400	7100	6590	IV
285D100-300	3x12,5	C100+C100	300	6900	6100	IV
285D100-300-PWA	3x12,5	C100+C100	300	7310	6780	IV
285DD100	3x12,5	2xC100+2xC100	600	7000	6310	IV
285DD100-PWA	3x12,5	2xC100+2xC100	600	7240	6710	IV
285DD100-400	3x12,5	2xC100+2xC100	400	7280	6500	IV
285DD100-400-PWA	3x12,5	2xC100+2xC100	400	7600	7050	IV
285DD100-300	3x12,5	2xC100+2xC100	300	7430	6630	IV
285DD100-300-PWA	3x12,5	2xC100+2xC100	300	7830	7260	IV

[1] Technical opinion ITB 01060/21/R164NZK – part 1; ITB 1060/12/R48NK.
[2] Range 1 - includes the walls of rooms occupied by a limited number of people, e.g. apartment rooms, hotel rooms, hospital rooms, and other utilised in a similar manner.
[3] Range 2 - includes the walls of rooms occupied by a large number of people, e.g. large conference halls, classrooms, lecture rooms, and other utilised in a similar manner.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 60 dB

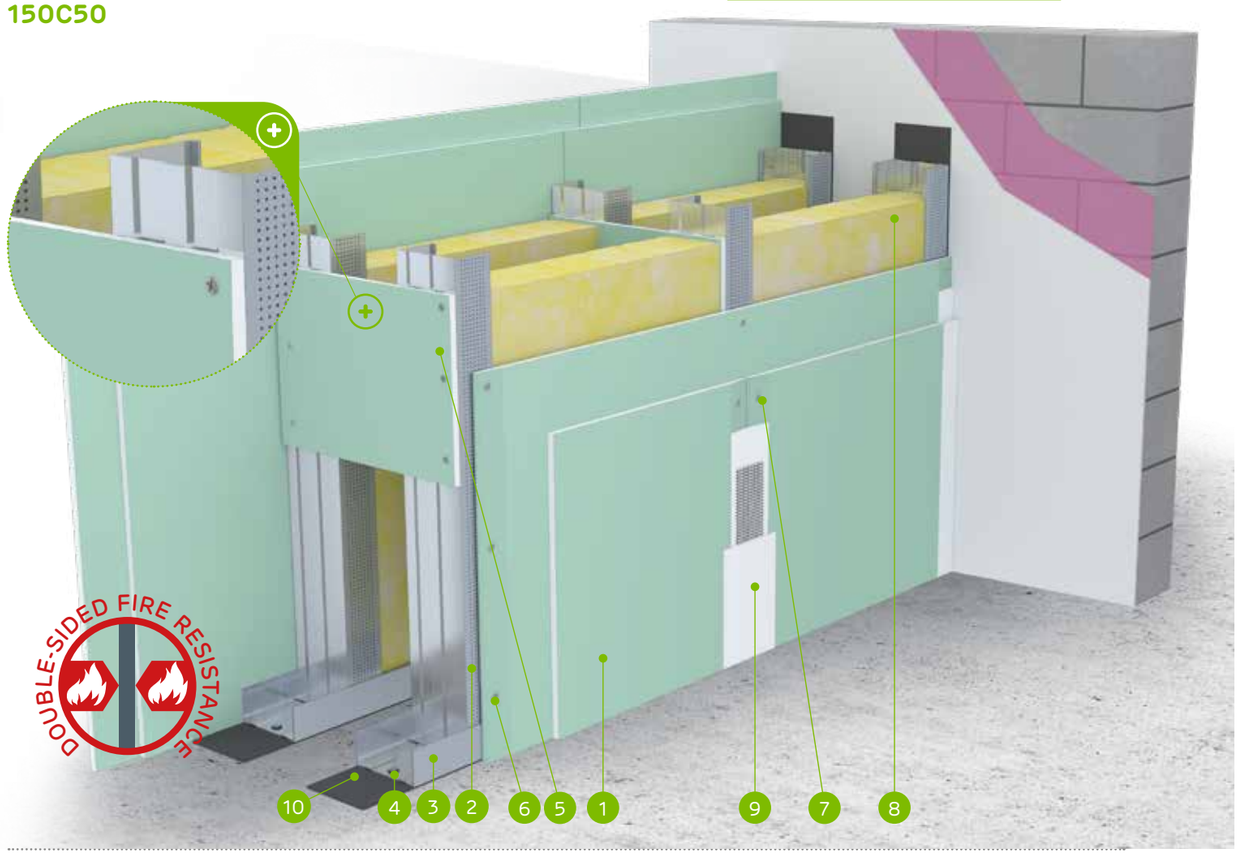
Maximum encasement height: 4500 mm

Weight of 1 m² of encasement: 37,0-56,0 kg

Number of related document: ETA 15/0301

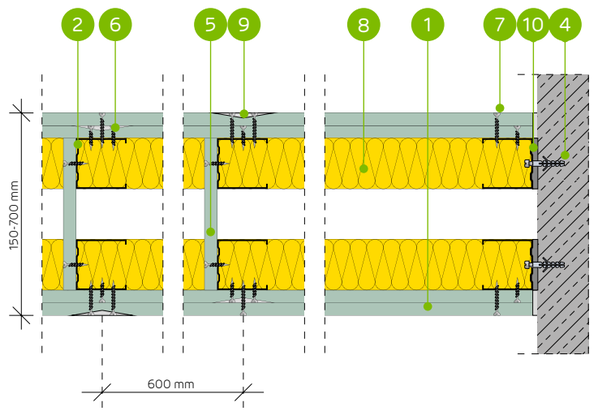
Declaration of Performance: DoP/Wall System /0003/15.11.2016

SYSTEMS:
150C50



MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile
3. Nida U 50 profile
4. Anchoring element
5. Lacing of board, height 300 mm, min. 2 pcs. per post (max. spacing 1500 mm)
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 50 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C50 PROFILES (INSTALLATION WALLS)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_W [dB]	[kg]	[min]	ETAG 003 class	
150C50/Expert [4] [6]	C50+C50	Expert	2x12,5	-	-	-	-	4500	47	44	38	37,0	(R)EI60	IV	-
150C50/Expert	C50+C50	Expert	2x12,5	2x50	12,0	50	10,0	4500	59	57	51	37,0	(R)EI60	IV	-
150C50/Woda [3]	C50+C50	Woda	2x12,5	2x50	12,0	50	10,0	4500	59	57	51	37,0	(R)EI60	IV	-
150C50/Expert + Ogień+	C50+C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4500	49	45	40	41,0	(R)EI90	IV	-
150C50/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	-	-	-	-	4500	50	48	42	45,0	(R)EI120	IV	-
150C50/Ogień+ [5] [6]	C50+C50	Ogień Plus	2x12,5	2x50	10,0	50	10,0	4500	56	53	47	45,0	(R)EI120	IV	-
150C50/Ogień+	C50+C50	Ogień Plus	2x12,5	2x50	12,0	50	30,0	4500	60	58	54	45,0	(R)EI120	IV	-
150C50/WodaOgień+	C50+C50	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	4500	60	58	54	45,0	(R)EI120	IV	-
150C50/Twarda	C50+C50	Twarda	2x12,5	2x50	12,0	50	30,0	4500	60	58	54	56,0	(R)EI120	IV	●
150C50/Hydro	C50+C50	Hydro	2x12,5	2x50	12,0	50	50,0	4500	60	58	54	48,0	(R)EI120	IV	●
150C50/Cicha	C50+C50	Cicha	2x12,5	2x50	12,0	50	30,0	4500	60	58	54	56,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		150C50/ Expert [4]	150C50/ Expert	150C50/ Woda	150C50/ Expert + Ogień+	150C50/ Ogień+ [5]	150C50/ Ogień+ [5]	150C50/ Ogień+	150C50/ WodaOgień+	150C50/ Twarda	150C50/ Hydro	150C50/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U50 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	14,0	14,0	14,0	14,0	14,0	14,0	14,0	14,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	14,0	-	14,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	14,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

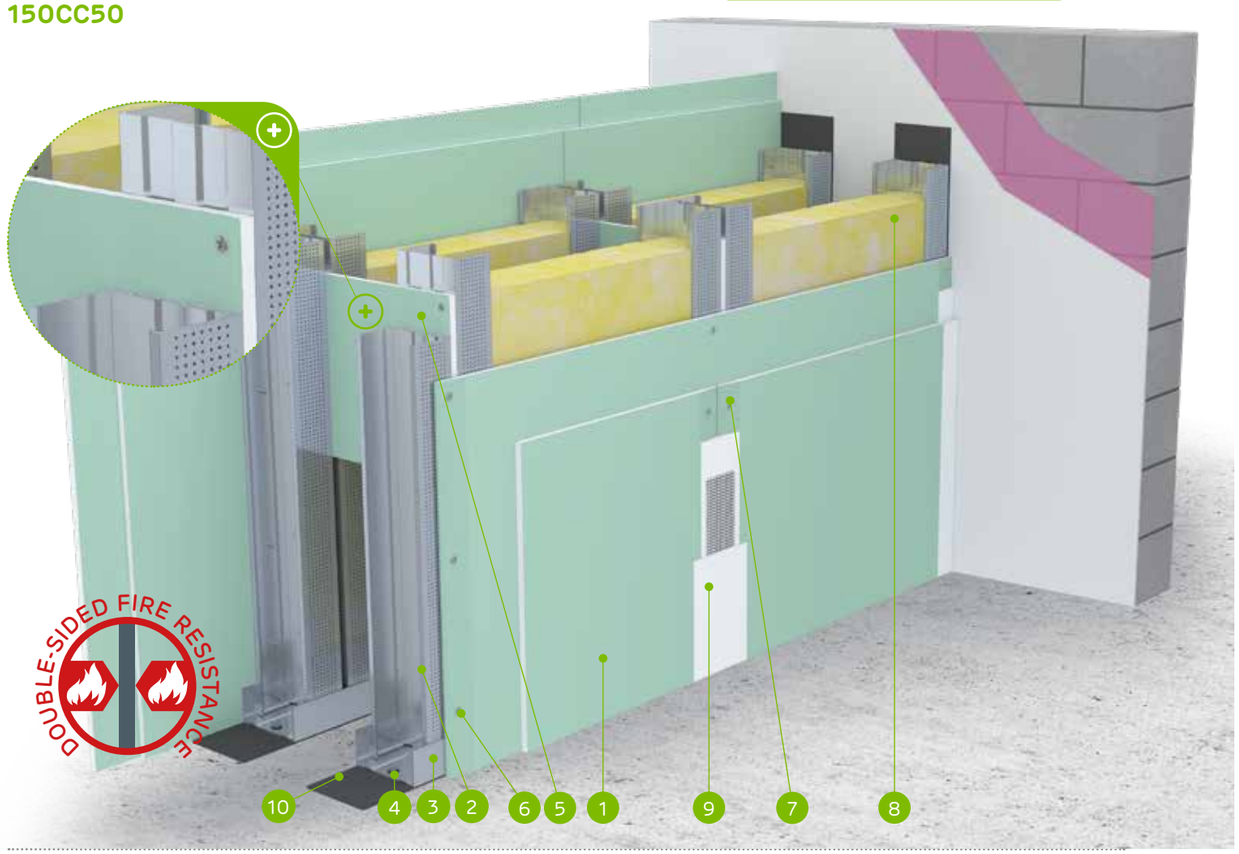
[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	4750 mm	39,0-59,0 kg	ETA 15/0301

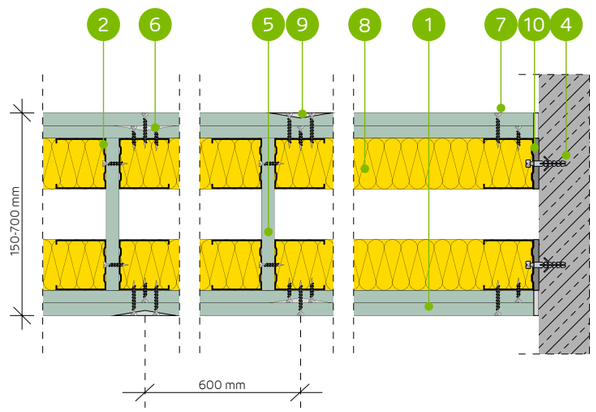
Declaration of Performance:
DoP/Wall System /0003/15.11.2016

SYSTEMS:
150CC50



MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile (doubled)
3. Nida U 50 profile
4. Anchoring element
5. Lacing of board, height 300 mm, min. 2 pcs. per post (max. spacing 1500 mm)
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 50 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, DOUBLED STRUCTURES OF THE NIDA C50 PROFILES (INSTALLATION WALLS)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{Ax} [dB]	R_{Ax} [dB]	[kg]	[min]	ETAG 003 class	
150CC50/Expert [4]	2xC50+2xC50	Expert	2x12,5	-	-	-	-	4750	-	-	-	39,0	(R)EI60	IV	-
150CC50/Expert	2xC50+2xC50	Expert	2x12,5	-	-	50	10,0	4750	-	-	-	39,0	(R)EI60	IV	-
150CC50/Woda [3]	2xC50+2xC50	Woda	2x12,5	-	-	50	10,0	4750	-	-	-	39,0	(R)EI60	IV	-
150CC50/Expert + Ogień+	2xC50+2xC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4750	-	-	-	43,0	(R)EI90	IV	-
150CC50/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	-	-	4750	-	-	-	47,0	(R)EI120	IV	-
150CC50/Ogień+ [5]	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	10,0	4750	-	-	-	47,0	(R)EI120	IV	-
150CC50/Ogień+	2xC50+2xC50	Ogień Plus	2x12,5	-	-	50	30,0	4750	-	-	-	47,0	(R)EI120	IV	-
150CC50/WodaOgień+	2xC50+2xC50	Woda Ogień Plus	2x12,5	-	-	50	30,0	4750	-	-	-	47,0	(R)EI120	IV	-
150CC50/Twarda	2xC50+2xC50	Twarda	2x12,5	-	-	50	30,0	4750	-	-	-	59,0	(R)EI120	IV	●
150CC50/Hydro	2xC50+2xC50	Hydro	2x12,5	-	-	50	50,0	4750	-	-	-	51,0	(R)EI120	IV	●
150CC50/Cicha	2xC50+2xC50	Cicha	2x12,5	-	-	50	30,0	4750	-	-	-	59,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		150CC50/ Expert [4]	150CC50/ Expert	150CC50/ Woda	150CC50/ Expert + Ogień+	150CC50/ Ogień+ [5]	150CC50/ Ogień+ [5]	150CC50/ Ogień+	150CC50/ WodaOgień+	150CC50/ Twarda	150CC50/ Hydro	150CC50/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U50 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	14,0	14,0	14,0	14,0	14,0	14,0	14,0	14,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	14,0	-	14,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	14,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 62 dB

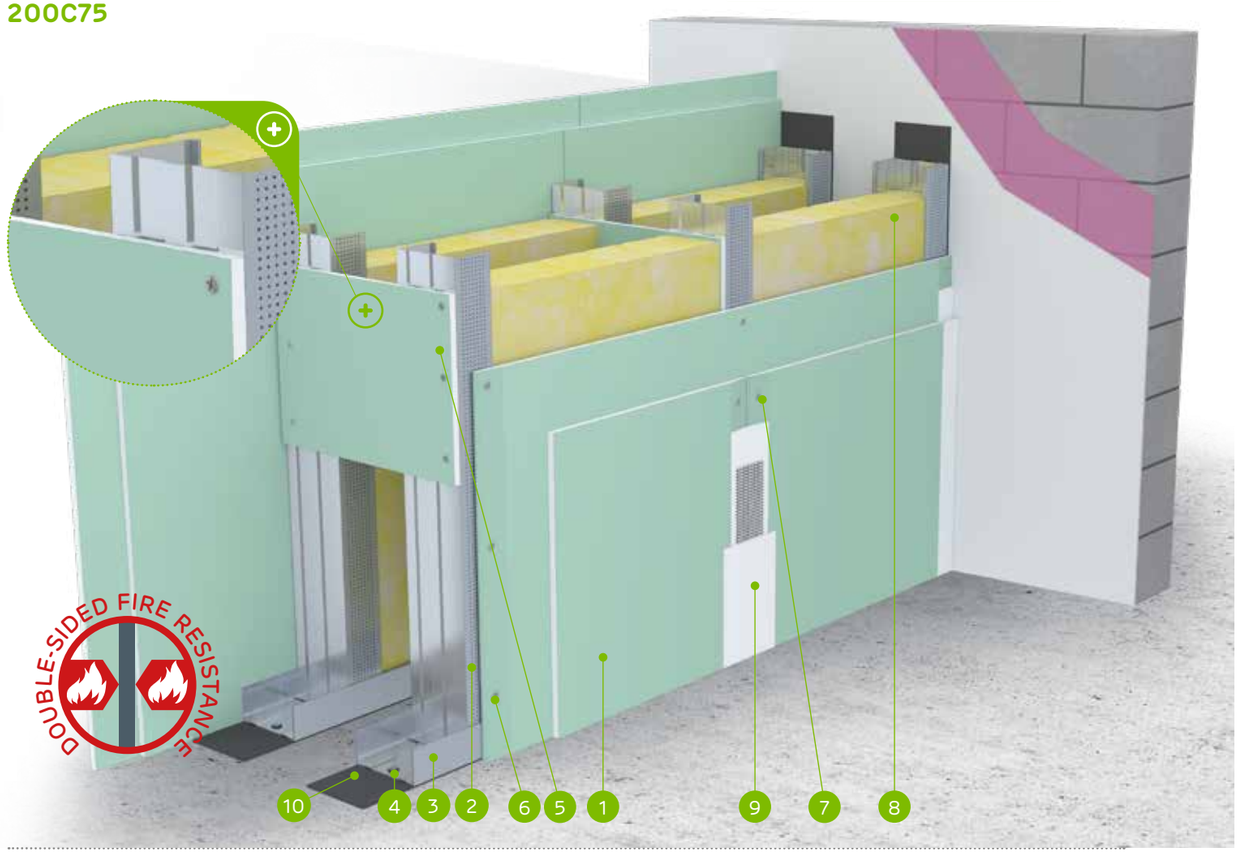
Maximum encasement height: 6000 mm

Weight of 1 m² of encasement: 37,0-57,0 kg

Number of related document: ETA 15/0301

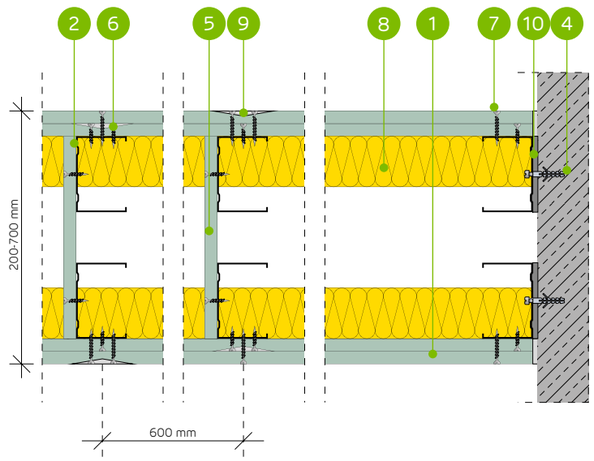
Declaration of Performance: DoP/Wall System /0003/15.11.2016

SYSTEMS:
200C75



MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile
3. Nida U 75 profile
4. Anchoring element
5. Lacing of board, height 300 mm, min. 2 pcs. per post (max. spacing 1500 mm)
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 70 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C75 PROFILES (INSTALLATION WALLS)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_W [dB]	[kg]	[min]	ETAG 003 class	
200C75/Expert [4] [6]	C75+C75	Expert	2x12,5	-	-	-	-	6000	49	46	41	37,0	(R)EI60	IV	-
200C75/Expert	C75+C75	Expert	2x12,5	2x50	12,0	50	10,0	6000	61	59	54	37,0	(R)EI60	IV	-
200C75/Woda [3]	C75+C75	Woda	2x12,5	2x50	12,0	50	10,0	6000	61	59	54	37,0	(R)EI60	IV	-
200C75/Expert + Ogień+	C75+C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6000	50	47	43	41,0	(R)EI90	IV	-
200C75/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	-	-	-	-	6000	52	50	45	45,0	(R)EI120	IV	-
200C75/Ogień+ [5] [6]	C75+C75	Ogień Plus	2x12,5	2x50	10,0	50	10,0	6000	58	55	50	45,0	(R)EI120	IV	-
200C75/Ogień+	C75+C75	Ogień Plus	2x12,5	2x50	12,0	50	30,0	6000	62	60	57	45,0	(R)EI120	IV	-
200C75/WodaOgień+	C75+C75	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	6000	62	60	57	45,0	(R)EI120	IV	-
200C75/Twarda	C75+C75	Twarda	2x12,5	2x50	12,0	50	30,0	6000	62	60	57	57,0	(R)EI120	IV	●
200C75/Hydro	C75+C75	Hydro	2x12,5	2x50	12,0	50	50,0	6000	62	60	57	49,0	(R)EI120	IV	●
200C75/Cicha	C75+C75	Cicha	2x12,5	2x50	12,0	50	30,0	6000	62	60	57	57,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		200C75/ Expert [4]	200C75/ Expert	200C75/ Woda	200C75/ Expert + Ogień+	200C75/ Ogień+ [5]	200C75/ Ogień+ [5]	200C75/ Ogień+	200C75/ WodaOgień+	200C75/ Twarda	200C75/ Hydro	200C75/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U75 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [7]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	14,0	14,0	14,0	14,0	14,0	14,0	14,0	14,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	14,0	-	14,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	14,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: N/A

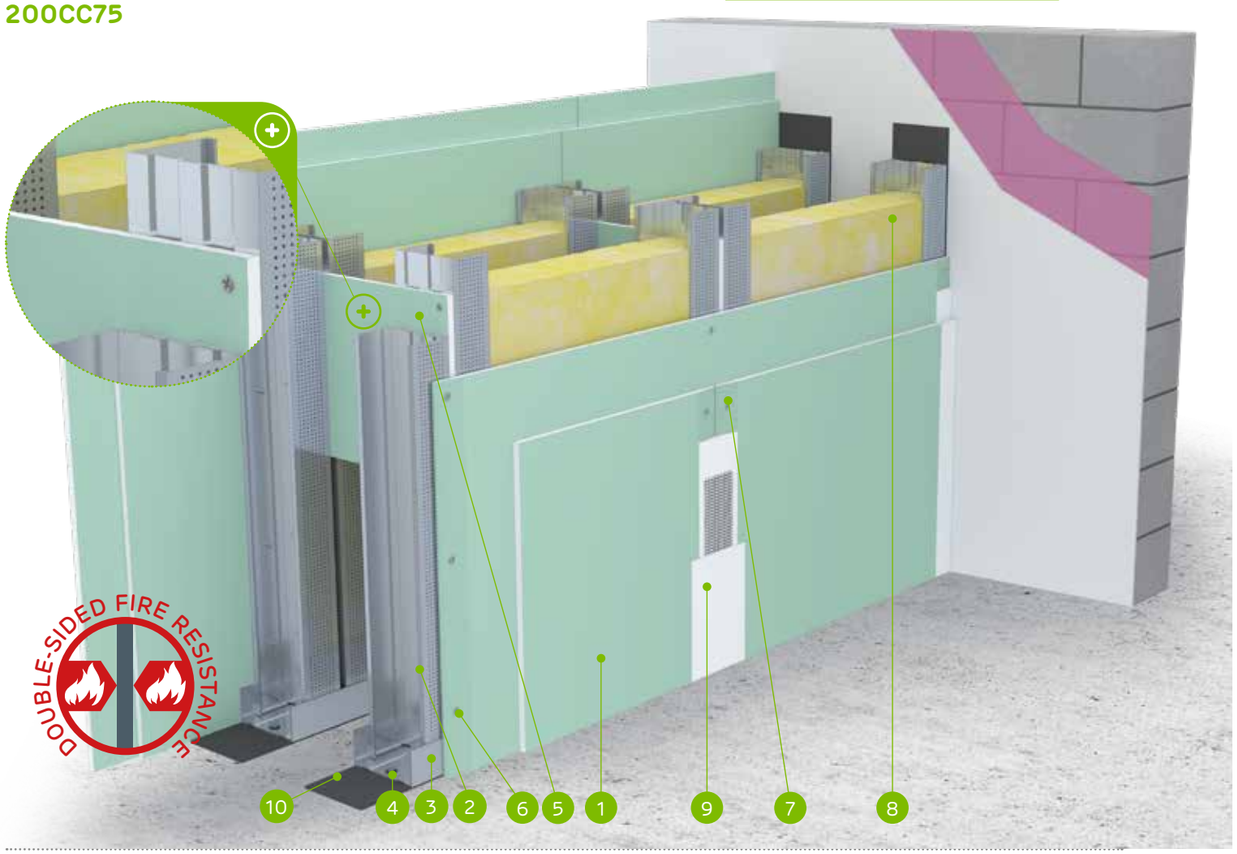
Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 41,0-60,0 kg

Number of related document: ETA 15/0301

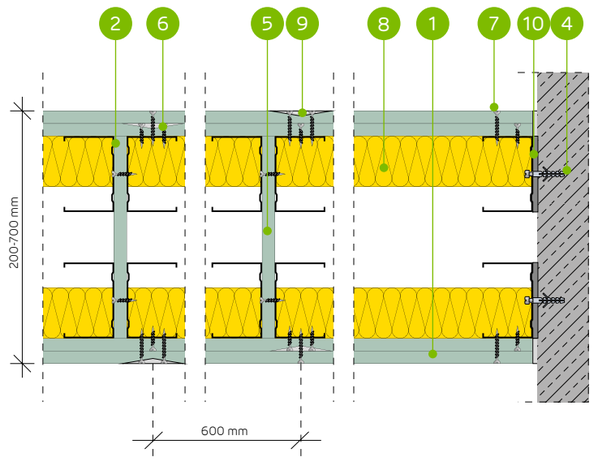
Declaration of Performance: DoP/Wall System /0003/15.11.2016

SYSTEMS:
200CC75



MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile (doubled)
3. Nida U 75 profile
4. Anchoring element
5. Lacing of board, height 300 mm, min. 2 pcs. per post (max. spacing 1500 mm)
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 70 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, DOUBLED STRUCTURES OF THE NIDA C75 PROFILES (INSTALLATION WALLS)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_W [dB]	[kg]	[min]	ETAG 003 class	
200CC75/Expert [4]	2xC75+2xC75	Expert	2x12,5	-	-	-	-	6500	-	-	-	41,0	(R)EI60	IV	-
200CC75/Expert	2xC75+2xC75	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
200CC75/Woda [3]	2xC75+2xC75	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	41,0	(R)EI60	IV	-
200CC75/Expert + Ogień+	2xC75+2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	45,0	(R)EI90	IV	-
200CC75/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	49,0	(R)EI120	IV	-
200CC75/Ogień+ [5]	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	49,0	(R)EI120	IV	-
200CC75/Ogień+	2xC75+2xC75	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
200CC75/WodaOgień+	2xC75+2xC75	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	49,0	(R)EI120	IV	-
200CC75/Twarda	2xC75+2xC75	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●
200CC75/Hydro	2xC75+2xC75	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	52,0	(R)EI120	IV	●
200CC75/Cicha	2xC75+2xC75	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	60,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		200CC75/ Expert [4]	200CC75/ Expert	200CC75/ Woda	200CC75/ Expert + Ogień+	200CC75/ Ogień+ [5]	200CC75/ Ogień+ [5]	200CC75/ Ogień+	200CC75/ WodaOgień+	200CC75/ Twarda	200CC75/ Hydro	200CC75/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U75 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	14,0	14,0	14,0	14,0	14,0	14,0	14,0	14,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	14,0	-	14,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	14,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 62 dB

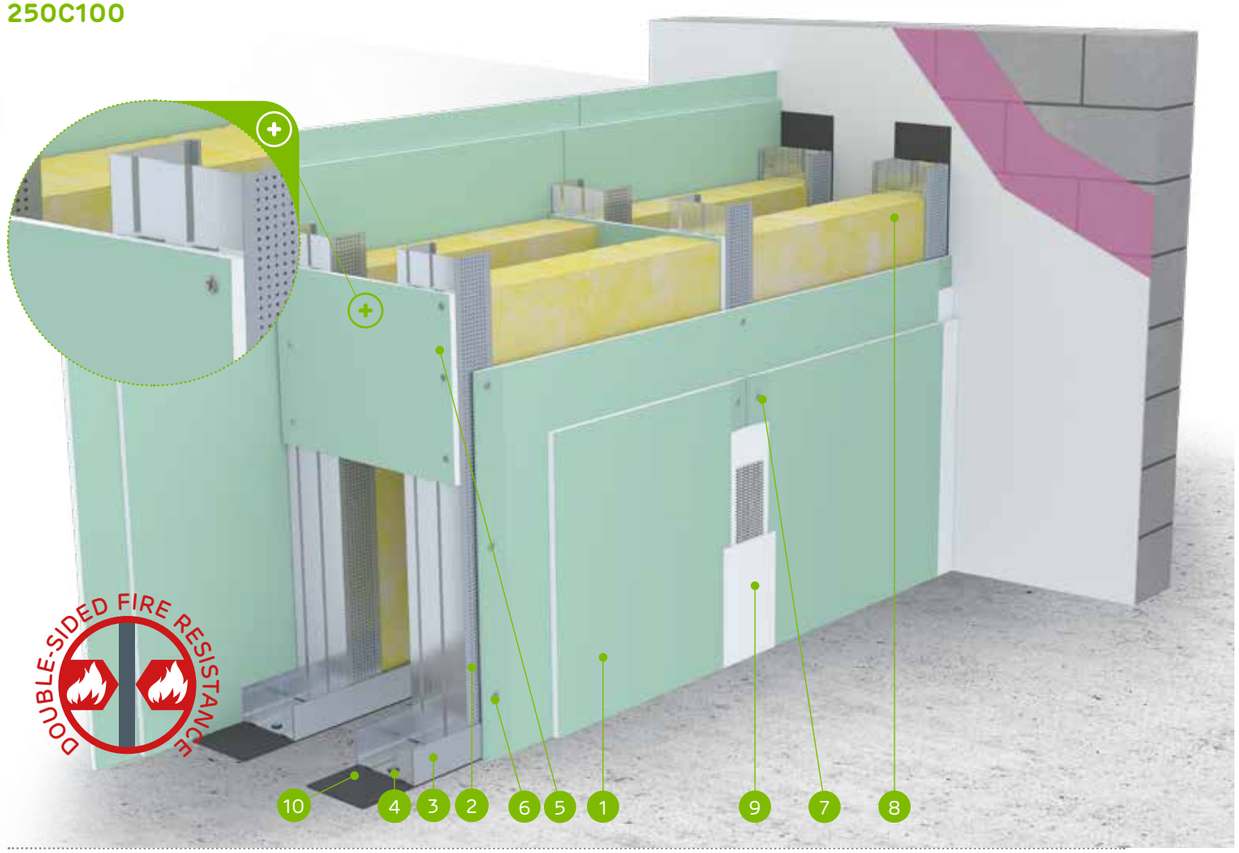
Maximum encasement height: 6500 mm

Weight of 1 m² of encasement: 38,0-57,0 kg

Number of related document: ETA 15/0301

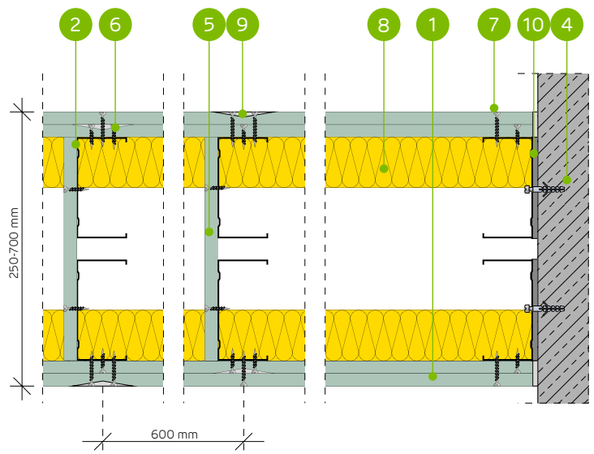
Declaration of Performance: DoP/Wall System /0003/15.11.2016

SYSTEMS:
250C100



MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile
3. Nida U 100 profile
4. Anchoring element
5. Lacing of board, height 300 mm, min. 2 pcs. per post (max. spacing 1500 mm)
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 95 mm



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THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C100 PROFILES (INSTALLATION WALLS)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
250C100/Expert [4) 6)]	C100+C100	Expert	2x12,5	-	-	-	-	6500	49	46	43	38,0	(R)EI60	IV	-
250C100/Expert	C100+C100	Expert	2x12,5	2x50	12,0	50	10,0	6500	61	59	54	38,0	(R)EI60	IV	-
250C100/Woda [3)]	C100+C100	Woda	2x12,5	2x50	12,0	50	10,0	6500	61	59	54	38,0	(R)EI60	IV	-
250C100/Expert + Ogień+	C100+C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	51	47	44	42,0	(R)EI90	IV	-
250C100/Ogień+ [5) 6)]	C100+C100	Ogień Plus	2x12,5	-	-	-	-	6500	53	51	46	46,0	(R)EI120	IV	-
250C100/Ogień+ [5) 6)]	C100+C100	Ogień Plus	2x12,5	2x50	10,0	50	10,0	6500	59	56	52	46,0	(R)EI120	IV	-
250C100/Ogień+	C100+C100	Ogień Plus	2x12,5	2x50	12,0	50	30,0	6500	62	60	57	46,0	(R)EI120	IV	-
250C100/WodaOgień+	C100+C100	Woda Ogień Plus	2x12,5	2x50	12,0	50	30,0	6500	62	60	57	46,0	(R)EI120	IV	-
250C100/Twarda	C100+C100	Twarda	2x12,5	2x50	12,0	50	30,0	6500	62	60	57	57,0	(R)EI120	IV	●
250C100/Hydro	C100+C100	Hydro	2x12,5	2x50	12,0	50	50,0	6500	62	60	57	49,0	(R)EI120	IV	●
250C100/Cicha	C100+C100	Cicha	2x12,5	2x50	12,0	50	30,0	6500	62	60	57	57,0	(R)EI120	IV	●

[1)] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2)] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3)] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4)] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5)] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6)] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		250C100/ Expert [4)]	250C100/ Expert	250C100/ Woda	250C100/ Expert + Ogień+	250C100/ Ogień+ [5)]	250C100/ Ogień+ [5)]	250C100/ Ogień+	250C100/ WodaOgień+	250C100/ Twarda	250C100/ Hydro	250C100/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U100 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [7)]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	14,0	14,0	14,0	14,0	14,0	14,0	14,0	14,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	14,0	-	14,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	14,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8)]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9)]	m²	-	2,0	2,0	-	-	2,0	2,0	2,0	2,0	2,0	2,0

[7)] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8)] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9)] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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Nida systems search engine
www.systemynida.pl

Calculator of the Nida systems
www.siniat.pl/kalkulatory

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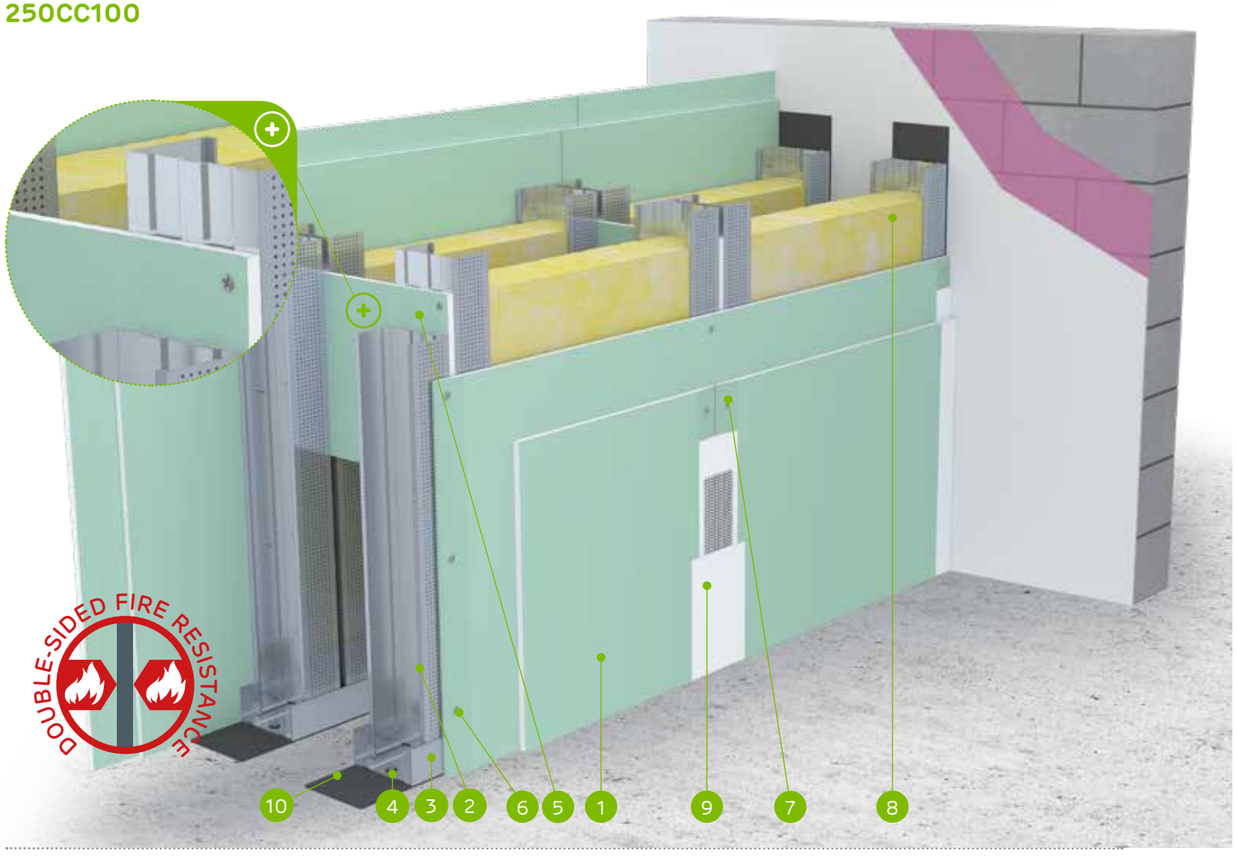
nida Ściana

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	6500 mm	42,0-61,0 kg	ETA 15/0301

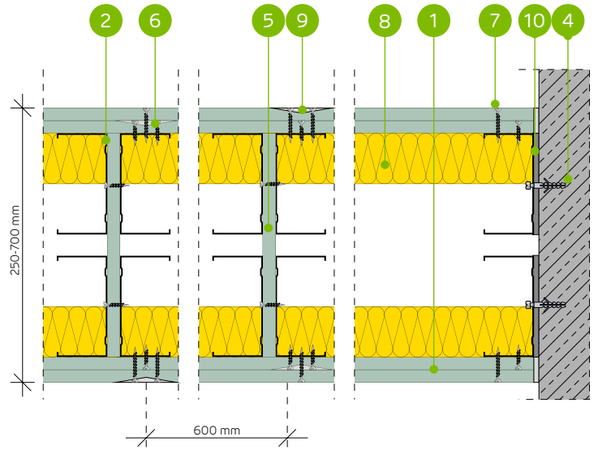
Declaration of Performance:
DoP/Wall System /0003/15.11.2016

SYSTEMS:
250CC100



MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile (doubled)
3. Nida U 100 profile
4. Anchoring element
5. Lacing of board, height 300 mm, min. 2 pcs. per post (max. spacing 1500 mm)
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 95 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, DOUBLED STRUCTURES OF THE NIDA C100 PROFILES (INSTALLATION WALLS)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
250CC100/Expert [4]	2xC100+2xC100	Expert	2x12,5	-	-	-	-	6500	-	-	-	42,0	(R)EI60	IV	-
250CC100/Expert	2xC100+2xC100	Expert	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
250CC100/Woda [3]	2xC100+2xC100	Woda	2x12,5	-	-	50	10,0	6500	-	-	-	42,0	(R)EI60	IV	-
250CC100/Expert + Ogień+	2xC100+2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6500	-	-	-	46,0	(R)EI90	IV	-
250CC100/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	-	-	6500	-	-	-	50,0	(R)EI120	IV	-
250CC100/Ogień+ [5]	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6500	-	-	-	50,0	(R)EI120	IV	-
250CC100/Ogień+	2xC100+2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
250CC100/WodaOgień+	2xC100+2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6500	-	-	-	50,0	(R)EI120	IV	-
250CC100/Twarda	2xC100+2xC100	Twarda	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●
250CC100/Hydro	2xC100+2xC100	Hydro	2x12,5	-	-	50	50,0	6500	-	-	-	53,0	(R)EI120	IV	●
250CC100/Cicha	2xC100+2xC100	Cicha	2x12,5	-	-	50	30,0	6500	-	-	-	61,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		250CC100/ Expert [4]	250CC100/ Expert	250CC100/ Woda	250CC100/ Expert + Ogień+	250CC100/ Ogień+ [5]	250CC100/ Ogień+ [5]	250CC100/ Ogień+	250CC100/ WodaOgień+	250CC100/ Twarda	250CC100/ Hydro	250CC100/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U100 profile	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [6]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	14,0	14,0	14,0	14,0	14,0	14,0	14,0	14,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	14,0	-	14,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	14,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI120	62 dB	6500 mm	60,0-65,0 kg	ETA 15/0301

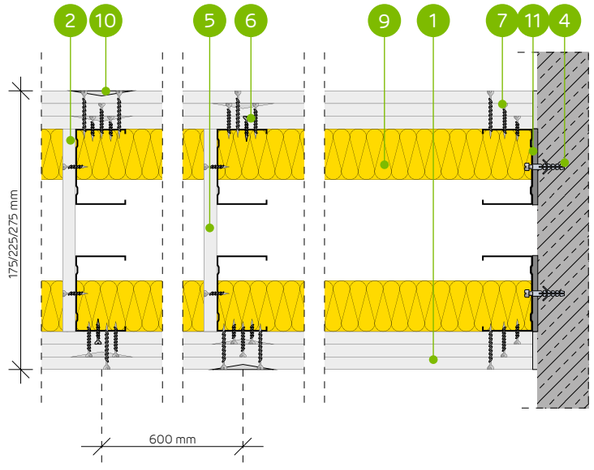
Declaration of Performance:
DoP/Wall System /0003/15.11.2016

SYSTEMS:

175C50; 225C75; 275C100; 175CC50; 225CC75; 275CC100

MATERIALS:

1. Nida Ogień Typ F 12,5 mm plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Lacing of board, height 300 mm, min. 2 pcs. per post (max. spacing 1500 mm)
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. Nida 3.5 x 55 mm sheet metal screws
9. Insulation material mineral wool
10. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
11. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW, SINGLE AND DOUBLED STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (INSTALLATION WALLS)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
175C50/OgieńTypF	C50+C50	Ogień Typ F	3x12,5	2x50	12,0	50	10,0	4500	60	58	54	60,0	(R)EI120	IV	-
225C75/OgieńTypF	C75+C75	Ogień Typ F	3x12,5	2x50	12,0	50	10,0	6000	62	60	57	61,0	(R)EI120	IV	-
275C100/OgieńTypF	C100+C100	Ogień Typ F	3x12,5	2x50	12,0	50	10,0	6500	62	60	57	61,0	(R)EI120	IV	-
175CC50/OgieńTypF	2xC50+2xC50	Ogień Typ F	3x12,5	-	-	50	10,0	4750	-	-	-	63,0	(R)EI120	IV	-
225CC75/OgieńTypF	2xC75+2xC75	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	64,0	(R)EI120	IV	-
275CC100/OgieńTypF	2xC100+2xC100	Ogień Typ F	3x12,5	-	-	50	10,0	6500	-	-	-	65,0	(R)EI120	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		175C50/OgieńTypF	225C75/OgieńTypF	275C100/ OgieńTypF	175CC50/ OgieńTypF	225CC75/ OgieńTypF	275CC100/ OgieńTypF
		Consumption of material per 1 m²					
Nida Ogień Type F 12,5 mm plasterboard	m²	6,0	6,0	6,0	6,0	6,0	6,0
Nida C50 profile, C75, C100	lm	3,6	3,6	3,6	7,2	7,2	7,2
Nida U50 profile, U75, U100	lm	1,4	1,4	1,4	1,4	1,4	1,4
Anchoring element [3]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x25 mm sheet metal screws	pcs.	14,0	14,0	14,0	14,0	14,0	14,0
Nida 3.5x35 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x55 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,8	1,8	1,8	1,8	1,8	1,8
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [4]	m²	2,0	2,0	2,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: N/A

Maximum acoustic insulation: N/A

Maximum encasement height: 7000 mm

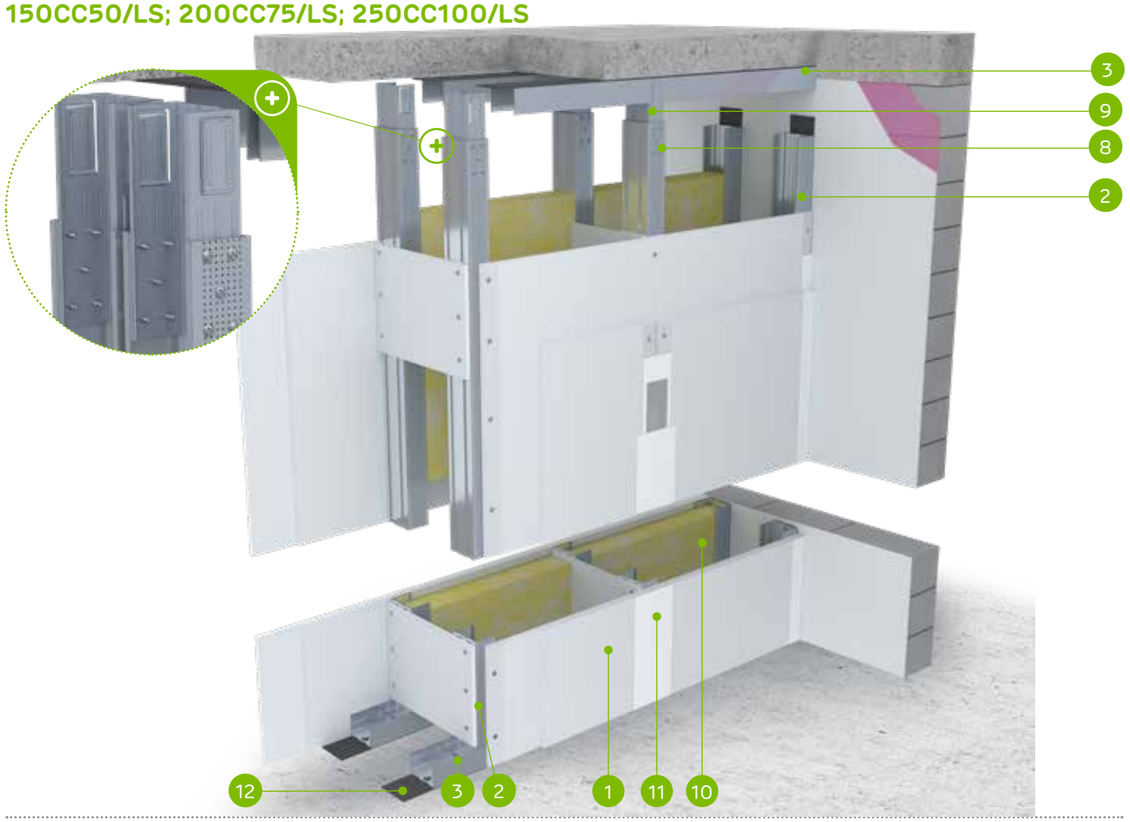
Weight of 1 m² of encasement: 28,0-33,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0003/15.11.2016

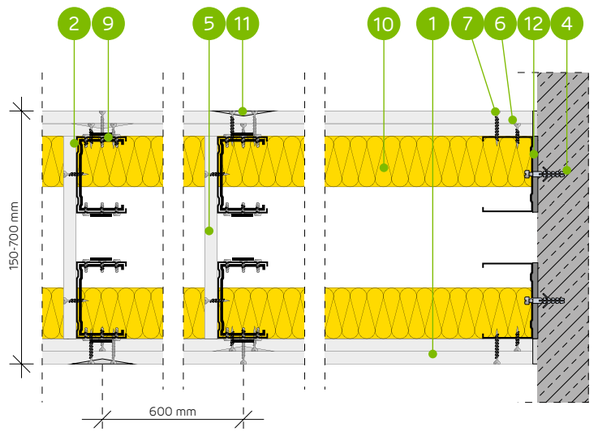
SYSTEMS:

150C50/LS; 200C75/LS; 250C100/LS;
150CC50/LS; 200CC75/LS; 250CC100/LS



MATERIALS:

1. Nida plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U50 / U75 / U100 profile
4. Anchoring element
5. Lacing of board, height 300 mm, min. 2 pcs. per post (max. spacing 1500 mm)
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 35 mm sheet metal screws
8. FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal
9. Nida LS 50 / LS 75 / LS 100 stabilising connector
10. Insulation material mineral wool
11. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
12. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE PARTITION WALL SYSTEM WITH PARTIAL SHEATHING ON DOUBLE-ROW, SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (INSTALLATION WALLS - NIDA LS)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
150C50/LS/Expert	C50+C50	Expert	2x12,5	2x50	10,0	-	-	4500	-	-	-	28,0	-	IV	-
200C75/LS/Expert	C75+C75	Expert	2x12,5	2x75	10,0	-	-	6000	-	-	-	29,0	-	IV	-
250C100/LS/Expert	C100+C100	Expert	2x12,5	2x100	10,0	-	-	6500	-	-	-	30,0	-	IV	-
150CC50/LS/Expert	2xC50+2xC50	Expert	2x12,5	2x50	10,0	-	-	4750	-	-	-	31,0	-	IV	-
200CC75/LS/Expert	2xC75+2xC75	Expert	2x12,5	2x75	10,0	-	-	6500	-	-	-	32,0	-	IV	-
250CC100/LS/Expert	2xC100+2xC100	Expert	2x12,5	2x100	10,0	-	-	7000	-	-	-	33,0	-	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1; ITB 1060/12/R42NK.
[2] European Technical Assessment ETA 15/0301.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		150C50/LS/Expert	200C75/LS/Expert	250C100/LS/Expert	150CC50/LS/Expert	200CC75/LS/ Expert	250CC100/LS/ Expert
		Consumption of material per 1 m²					
Nida Expert 12,5 mm plasterboard	m²	3,0	3,0	3,0	3,0	3,0	3,0
Nida C50 profile	lm	3,6	-	-	7,2	-	-
Nida C75 profile	lm	-	3,6	-	-	7,2	-
Nida C100 profile	lm	-	-	3,6	-	-	7,2
Nida U50 profile	lm	1,4	-	-	1,4	-	-
Nida U75 profile	lm	-	1,4	-	-	1,4	-
Nida U100 profile	lm	-	-	1,4	-	-	1,4
Nida LS 50 stabilising connector	pcs.	0,8	-	-	1,6	-	-
Nida LS 75 stabilising connector	pcs.	-	0,8	-	-	1,6	-
Nida LS 100 stabilising connector	pcs.	-	-	0,8	-	-	1,6
Anchoring element [3]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	8,0	8,0	8,0	28,0	28,0	28,0
Nida 3.5x25 mm sheet metal screws	pcs.	6,0	6,0	6,0	6,0	6,0	6,0
Nida 3.5x35 mm sheet metal screws	pcs.	18,0	18,0	18,0	18,0	18,0	18,0
Nida reinforcement tape	lm	2,1	2,1	2,1	2,1	2,1	2,1
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	0,9	0,9	0,9	0,9	0,9	0,9
Nida Finish gypsum putty	kg	0,15	0,15	0,15	0,15	0,15	0,15
Mineral wool [4]	m²	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]	0,75 (1,0) [5]

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
[5] Optionally, apply insulation on the whole area of the wall.
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

THE TABLES FOR SELECTING THE MAXIMUM HEIGHT FOR THE NIDA ŚCIANA SYSTEM WITH THE APPLIED REDUCED SPACING AND/OR DOUBLING OF THE NIDA C50, C75, C100 LOAD-BEARING STRUCTURE WITHOUT FIRE RESISTANCE REQUIREMENTS (DOUBLE-ROW STRUCTURE - INSTALLATION WALLS)

TECHNICAL PARAMETERS

Nida Ściana system name	Number of Nida sheathing layers	Nida structure type		Maximum wall height - h [1]		ETAG 003
		Type of Nida profile	Axial spacing between Nida profiles	1 [2]	2 [3]	
	[mm]		[mm]	[mm]	[mm]	
150C50	2x12,5	C50+C50	600	4500	4000	IV
150C50-400	2x12,5	C50+C50	400	4750	4250	IV
150C50-300	2x12,5	C50+C50	300	4990	4460	IV
150CC50	2x12,5	2xC50+2xC50	600	4750	4250	IV
150CC50-400	2x12,5	2xC50+2xC50	400	5000	4500	IV
150CC50-300	2x12,5	2xC50+2xC50	300	5250	4730	IV
200C75	2x12,5	C75+C75	600	6000	5500	IV
200C75-400	2x12,5	C75+C75	400	6250	6000	IV
200C75-300	2x12,5	C75+C75	300	6560	6300	IV
200CC75	2x12,5	2xC75+2xC75	600	6500	6150	IV
200CC75-400	2x12,5	2xC75+2xC75	400	6750	6250	IV
200CC75-300	2x12,5	2xC75+2xC75	300	7020	6500	IV
250C100	2x12,5	C100+C100	600	6500	6000	IV
250C100-400	2x12,5	C100+C100	400	7000	6500	IV
250C100-300	2x12,5	C100+C100	300	7280	6760	IV
250CC100	2x12,5	2xC100+2xC100	600	7000	6500	IV
250CC100-400	2x12,5	2xC100+2xC100	400	7250	6750	IV
250CC100-300	2x12,5	2xC100+2xC100	300	7470	6950	IV

[1] Technical opinion ITB 01060/21/R164NZK – part 1; ITB 1060/12/R48NK.
[2] Range 1 - includes the walls of rooms occupied by a limited number of people, e.g. apartment rooms, hotel rooms, hospital rooms, and other utilised in a similar manner.
[3] Range 2 - includes the walls of rooms occupied by a large number of people, e.g. large conference halls, classrooms, lecture rooms, and other utilised in a similar manner.

nida Ściana

THE TABLES FOR SELECTING THE MAXIMUM HEIGHT FOR THE NIDA ŚCIANA SYSTEM WITH THE APPLIED REDUCED SPACING AND/OR DOUBLING OF THE NIDA C50, C75, C100 LOAD-BEARING STRUCTURE WITHOUT FIRE RESISTANCE REQUIREMENTS (DOUBLE-ROW STRUCTURE - INSTALLATION WALLS)

TECHNICAL PARAMETERS

Nida Ściana system name	Number of Nida sheathing layers	Nida structure type		Maximum wall height - h [1]		ETAG 003
		Type of Nida profile	Axial spacing between Nida profiles	1 [2]	2 [3]	
	[mm]		[mm]	[mm]	[mm]	
175C50	3x12,5	C50+C50	600	4500	4000	IV
175C50-400	3x12,5	C50+C50	400	4750	4250	IV
175C50-300	3x12,5	C50+C50	300	4990	4460	IV
175CC50	3x12,5	2xC50+2xC50	600	4750	4250	IV
175CC50-400	3x12,5	2xC50+2xC50	400	5000	4500	IV
175CC50-300	3x12,5	2xC50+2xC50	300	5250	4730	IV
225C75	3x12,5	C75+C75	600	6000	5500	IV
225C75-400	3x12,5	C75+C75	400	6250	6000	IV
225C75-300	3x12,5	C75+C75	300	6560	6300	IV
225CC75	3x12,5	2xC75+2xC75	600	6500	6150	IV
225CC75-400	3x12,5	2xC75+2xC75	400	6750	6250	IV
225CC75-300	3x12,5	2xC75+2xC75	300	7020	6500	IV
275C100	3x12,5	C100+C100	600	6500	6000	IV
275C100-400	3x12,5	C100+C100	400	7000	6500	IV
275C100-300	3x12,5	C100+C100	300	7280	6760	IV
275CC100	3x12,5	2xC100+2xC100	600	7000	6500	IV
275CC100-400	3x12,5	2xC100+2xC100	400	7250	6750	IV
275CC100-300	3x12,5	2xC100+2xC100	300	7470	6950	IV

[1] Technical opinion ITB 01060/21/R164NZK – part 1; ITB 1060/12/R48NK.
[2] Range 1 - includes the walls of rooms occupied by a limited number of people, e.g. apartment rooms, hotel rooms, hospital rooms, and other utilised in a similar manner.
[3] Range 2 - includes the walls of rooms occupied by a large number of people, e.g. large conference halls, classrooms, lecture rooms, and other utilised in a similar manner.

nida Ściana

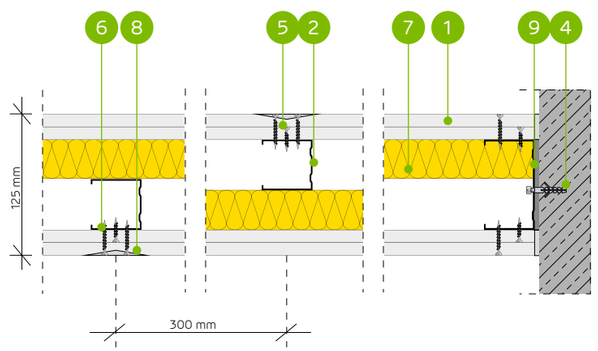
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	59 dB	3000 mm	37,0-56,0 kg	ETA 15/0301

Declaration of Performance:
DoP/Wall System /0005/15.11.2016

SYSTEMS:
S125/2

MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm



THE FIRST DRYWALL ENCASEMENT SYSTEM WITH THE CE MARKING AVAILABLE ON THE MARKET

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KONFEDERACJA BUDOWNICTWA I NIERUCHOMOŚCI

THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50 PROFILES (STRUCTURE ARRANGEMENT WITH 25 MM OFFSET)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_W [dB]	[kg]	[min]	ETAG 003 class	
S125/2/Expert [4] [6]	C50	Expert	2x12,5	-	-	-	-	3000	46	43	36	37,0	(R)EI60	III	-
S125/2/Expert	C50	Expert	2x12,5	50	12,0	50	10,0	3000	58	55	50	37,0	(R)EI60	III	-
S125/2/Woda [3]	C50	Woda	2x12,5	50	12,0	50	10,0	3000	58	55	50	37,0	(R)EI60	III	-
S125/2/Expert + Ogień+	C50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	3000	48	45	39	41,0	(R)EI90	III	-
S125/2/Ogień+ [5] [6]	C50	Ogień Plus	2x12,5	-	-	-	-	3000	51	48	41	45,0	(R)EI120	III	-
S125/2/Ogień+ [5] [6]	C50	Ogień Plus	2x12,5	50	10,0	50	10,0	3000	56	52	45	45,0	(R)EI120	III	-
S125/2/Ogień+	C50	Ogień Plus	2x12,5	50	12,0	50	30,0	3000	59	56	53	45,0	(R)EI120	III	-
S125/2/WodaOgień+	C50	Woda Ogień Plus	2x12,5	50	12,0	50	30,0	3000	59	56	53	45,0	(R)EI120	III	-
S125/2/Twarda	C50	Twarda	2x12,5	50	12,0	50	30,0	3000	59	56	53	56,0	(R)EI120	III	●
S125/2/Hydro	C50	Hydro	2x12,5	50	12,0	50	50,0	3000	59	56	53	48,0	(R)EI120	III	●
S125/2/Cicha	C50	Cicha	2x12,5	50	12,0	50	30,0	3000	59	56	53	56,0	(R)EI120	III	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		S125/2/ Expert [4]	S125/2/ Expert	S125/2/ Woda	S125/2/ Expert + Ogień+	S125/2/ Ogień+ [5]	S125/2/ Ogień+ [5]	S125/2/ Ogień+	S125/2/ WodaOgień+	S125/2/ Twarda	S125/2/ Hydro	S125/2/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U75 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [7]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

www.siniat.pl

Nida systems search engine
www.systemynida.pl

Calculator of the Nida systems
www.siniat.pl/kalkulatory

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nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: N/A

Maximum encasement height: 3500 mm

Weight of 1 m² of encasement: 39,0-58,0 kg

Number of related document: ETA 15/0301

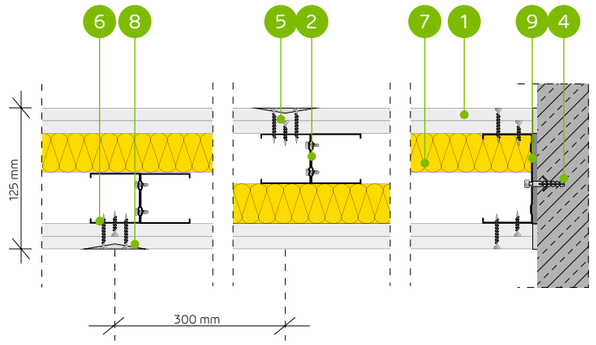
Declaration of Performance: DoP/Wall System /0005/15.11.2016

SYSTEMS:

SS125/2

MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile (doubled)
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON DOUBLED STRUCTURE OF THE NIDA C50 PROFILES (STRUCTURE ARRANGEMENT WITH 25 MM OFFSET)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_W [dB]	[kg]	[min]	ETAG 003 class	
SS125/2/Expert [4]	2xC50	Expert	2x12,5	-	-	-	-	3500	-	-	-	39,0	(R)EI60	III	-
SS125/2/Expert	2xC50	Expert	2x12,5	-	-	50	10,0	3500	-	-	-	39,0	(R)EI60	III	-
SS125/2/Woda [3]	2xC50	Woda	2x12,5	-	-	50	10,0	3500	-	-	-	39,0	(R)EI60	III	-
SS125/2/Expert + Ogień+	2xC50	Expert + Ogień Plus	12,5+12,5	-	-	-	-	3500	-	-	-	43,0	(R)EI90	III	-
SS125/2/Ogień+ [5]	2xC50	Ogień Plus	2x12,5	-	-	-	-	3500	-	-	-	47,0	(R)EI120	III	-
SS125/2/Ogień+ [5]	2xC50	Ogień Plus	2x12,5	-	-	50	10,0	3500	-	-	-	47,0	(R)EI120	III	-
SS125/2/Ogień+	2xC50	Ogień Plus	2x12,5	-	-	50	30,0	3500	-	-	-	47,0	(R)EI120	III	-
SS125/2/WodaOgień+	2xC50	Woda Ogień Plus	2x12,5	-	-	50	30,0	3500	-	-	-	47,0	(R)EI120	III	-
SS125/2/Twarda	2xC50	Twarda	2x12,5	-	-	50	30,0	3500	-	-	-	58,0	(R)EI120	III	●
SS125/2/Hydro	2xC50	Hydro	2x12,5	-	-	50	50,0	3500	-	-	-	50,0	(R)EI120	III	●
SS125/2/Cicha	2xC50	Cicha	2x12,5	-	-	50	30,0	3500	-	-	-	58,0	(R)EI120	III	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		SS125/2/ Expert [4]	SS125/2/ Expert	SS125/2/ Woda	SS125/2/ Expert + Ogień+	SS125/2/ Ogień+ [5]	SS125/2/ Ogień+ [5]	SS125/2/ Ogień+	SS125/2/ WodaOgień+	SS125/2/ Twarda	SS125/2/ Hydro	SS125/2/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C50 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U75 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [6]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 59 dB

Maximum encasement height: 4100 mm

Weight of 1 m² of encasement: 37,0-56,0 kg

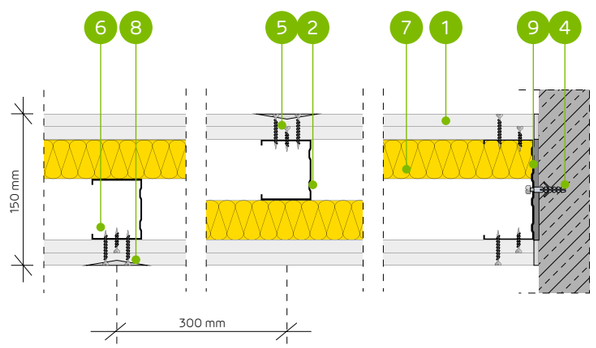
Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0005/15.11.2016

SYSTEMS:
S150/2

MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C75 PROFILES (STRUCTURE ARRANGEMENT WITH 25 MM OFFSET)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
S150/2/Expert [4] [6]	C75	Expert	2x12,5	-	-	-	-	4100	48	45	39	37,0	(R)EI60	III	-
S150/2/Expert	C75	Expert	2x12,5	50	12,0	50	10,0	4100	58	55	50	37,0	(R)EI60	III	-
S150/2/Woda [3]	C75	Woda	2x12,5	50	12,0	50	10,0	4100	58	55	50	37,0	(R)EI60	III	-
S150/2/Expert + Ogień+	C75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4100	50	46	42	41,0	(R)EI90	III	-
S150/2/Ogień+ [5] [6]	C75	Ogień Plus	2x12,5	-	-	-	-	4100	52	50	44	45,0	(R)EI120	III	-
S150/2/Ogień+ [5] [6]	C75	Ogień Plus	2x12,5	50	10,0	50	10,0	4100	58	55	48	45,0	(R)EI120	III	-
S150/2/Ogień+	C75	Ogień Plus	2x12,5	50	12,0	50	30,0	4100	59	56	53	45,0	(R)EI120	III	-
S150/2/WodaOgień+	C75	Woda Ogień Plus	2x12,5	50	12,0	50	30,0	4100	59	56	53	45,0	(R)EI120	III	-
S150/2/Twarda	C75	Twarda	2x12,5	50	12,0	50	30,0	4100	59	56	53	56,0	(R)EI120	III	●
S150/2/Hydro	C75	Hydro	2x12,5	50	12,0	50	50,0	4100	59	56	53	48,0	(R)EI120	III	●
S150/2/Cicha	C75	Cicha	2x12,5	50	12,0	50	30,0	4100	59	56	53	56,0	(R)EI120	III	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		S150/2/ Expert [4]	S150/2/ Expert	S150/2/ Woda	S150/2/ Expert + Ogień+	S150/2/ Ogień+ [5]	S150/2/ Ogień+ [5]	S150/2/ Ogień+	S150/2/ WodaOgień+	S150/2/ Twarda	S150/2/ Hydro	S150/2/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U100 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [7]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro CS 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro CS 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

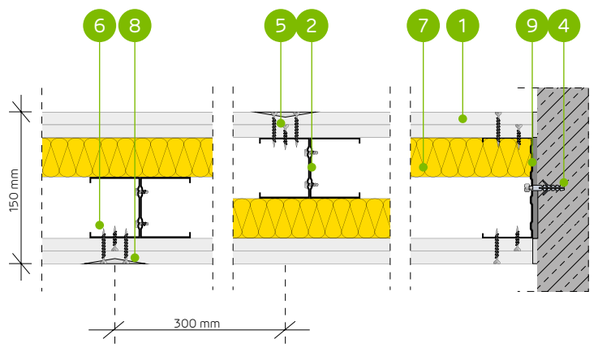
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	5500 mm	40,0-59,0 kg	ETA 15/0301

Declaration of Performance:
DoP/Wall System /0005/15.11.2016

SYSTEMS:
SS150/2

MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile (doubled)
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm



THE PARTITION WALL SYSTEM ON DOUBLED STRUCTURE OF THE NIDA C75 PROFILES (STRUCTURE ARRANGEMENT WITH 25 MM OFFSET)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_{Ac} [dB]	[kg]	[min]	ETAG 003 class	
SS150/2/Expert [4]	2xC75	Expert	2x12,5	-	-	-	-	5500	-	-	-	40,0	(R)EI60	III	-
SS150/2/Expert	2xC75	Expert	2x12,5	-	-	50	10,0	5500	-	-	-	40,0	(R)EI60	III	-
SS150/2/Woda [3]	2xC75	Woda	2x12,5	-	-	50	10,0	5500	-	-	-	40,0	(R)EI60	III	-
SS150/2/Expert + Ogień+	2xC75	Expert + Ogień Plus	12,5+12,5	-	-	-	-	5500	-	-	-	44,0	(R)EI90	III	-
SS150/2/Ogień+ [5]	2xC75	Ogień Plus	2x12,5	-	-	-	-	5500	-	-	-	48,0	(R)EI120	III	-
SS150/2/Ogień+ [5]	2xC75	Ogień Plus	2x12,5	-	-	50	10,0	5500	-	-	-	48,0	(R)EI120	III	-
SS150/2/Ogień+	2xC75	Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	48,0	(R)EI120	III	-
SS150/2/WodaOgień+	2xC75	Woda Ogień Plus	2x12,5	-	-	50	30,0	5500	-	-	-	48,0	(R)EI120	III	-
SS150/2/Twarda	2xC75	Twarda	2x12,5	-	-	50	30,0	5500	-	-	-	59,0	(R)EI120	III	●
SS150/2/Hydro	2xC75	Hydro	2x12,5	-	-	50	50,0	5500	-	-	-	51,0	(R)EI120	III	●
SS150/2/Cicha	2xC75	Cicha	2x12,5	-	-	50	30,0	5500	-	-	-	59,0	(R)EI120	III	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		SS150/2/ Expert [4]	SS150/2/ Expert	SS150/2/ Woda	SS150/2/ Expert + Ogień+	SS150/2/ Ogień+ [5]	SS150/2/ Ogień+ [5]	SS150/2/ Ogień+	SS150/2/ WodaOgień+	SS150/2/ Twarda	SS150/2/ Hydro	SS150/2/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C75 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U100 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [6]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [7]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [8]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[8] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60 (R)EI90 (R)EI120

Maximum acoustic insulation: 59 dB

Maximum encasement height: 4800 mm

Weight of 1 m² of encasement: 37,0-57,0 kg

Number of related document: ETA 15/0301

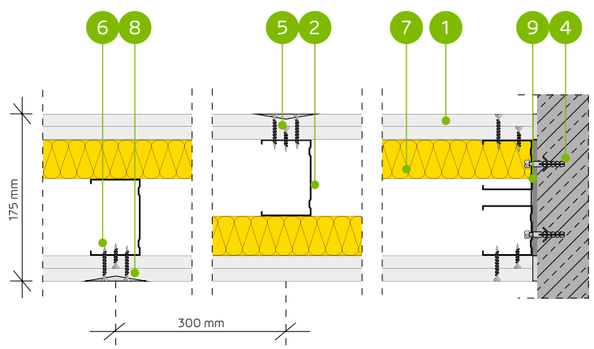
Declaration of Performance: DoP/Wall System /0005/15.11.2016

SYSTEMS:

S175/2

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile
3. Nida 2x U 50 profile or steel angles
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm



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THE ACOUSTIC PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C100 PROFILES (STRUCTURE ARRANGEMENT WITH 25 MM OFFSET)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{Ow} [dB]	[kg]	[min]	ETAG 003 class	
S175/2/Expert [4] [6]	C100	Expert	2x12,5	-	-	-	-	4800	49	46	42	37,0	(R)EI60	III	-
S175/2/Expert	C100	Expert	2x12,5	50	12,0	50	10,0	4800	58	55	50	37,0	(R)EI60	III	-
S175/2/Woda [3]	C100	Woda	2x12,5	50	12,0	50	10,0	4800	58	55	50	37,0	(R)EI60	III	-
S175/2/Expert + Ogień+	C100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	4800	51	47	44	41,0	(R)EI90	III	-
S175/2/Ogień+ [5] [6]	C100	Ogień Plus	2x12,5	-	-	-	-	4800	53	51	46	45,0	(R)EI120	III	-
S175/2/Ogień+ [5] [6]	C100	Ogień Plus	2x12,5	75	10,0	50	10,0	4800	59	57	51	45,0	(R)EI120	III	-
S175/2/Ogień+	C100	Ogień Plus	2x12,5	50	12,0	50	30,0	4800	59	56	53	45,0	(R)EI120	III	-
S175/2/WodaOgień+	C100	Woda Ogień Plus	2x12,5	50	12,0	50	30,0	4800	59	56	53	45,0	(R)EI120	III	-
S175/2/Twarda	C100	Twarda	2x12,5	50	12,0	50	30,0	4800	59	56	53	57,0	(R)EI120	III	●
S175/2/Hydro	C100	Hydro	2x12,5	50	12,0	50	50,0	4800	59	56	53	49,0	(R)EI120	III	●
S175/2/Cicha	C100	Cicha	2x12,5	50	12,0	50	30,0	4800	59	56	53	57,0	(R)EI120	III	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
[6] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		S175/2/ Expert [4]	S175/2/ Expert	S175/2/ Woda	S175/2/ Expert + Ogień+	S175/2/ Ogień+ [5]	S175/2/ Ogień+ [5]	S175/2/ Ogień+	S175/2/ WodaOgień+	S175/2/ Twarda	S175/2/ Hydro	S175/2/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Nida U100 profile (przecięty wzdłużnie) [7]	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [8]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [9]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [10]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[7] Alternatively apply steel angles or 2 pcs. U50 profiles along the entire length of the structure.
[8] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[9] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[10] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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nida Ściana

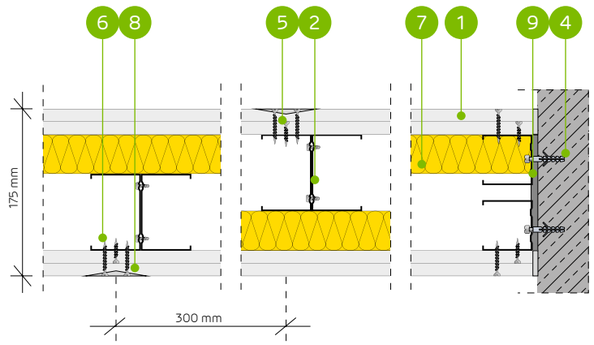
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1 m² of encasement:	Number of related document:
(R)EI60 (R)EI90 (R)EI120	N/A	6400 mm	41,0-60,0 kg	ETA 15/0301

Declaration of Performance:
DoP/Wall System /0005/15.11.2016

SYSTEMS:
SS175/2

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile (doubled)
3. Nida 2x U 50 profile or steel angles
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm



THE ACOUSTIC PARTITION WALL SYSTEM ON A DOUBLED STRUCTURE OF THE NIDA C100 PROFILES (STRUCTURE ARRANGEMENT WITH 25 MM OFFSET)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
SS175/2/Expert [4]	2xC100	Expert	2x12,5	-	-	-	-	6400	-	-	-	41,0	(R)EI60	III	-
SS175/2/Expert	2xC100	Expert	2x12,5	-	-	50	10,0	6400	-	-	-	41,0	(R)EI60	III	-
SS175/2/Woda [3]	2xC100	Woda	2x12,5	-	-	50	10,0	6400	-	-	-	41,0	(R)EI60	III	-
SS175/2/Expert + Ogień+	2xC100	Expert + Ogień Plus	12,5+12,5	-	-	-	-	6400	-	-	-	45,0	(R)EI90	III	-
SS175/2/Ogień+ [5]	2xC100	Ogień Plus	2x12,5	-	-	-	-	6400	-	-	-	49,0	(R)EI120	III	-
SS175/2/Ogień+ [5]	2xC100	Ogień Plus	2x12,5	-	-	50	10,0	6400	-	-	-	49,0	(R)EI120	III	-
SS175/2/Ogień+	2xC100	Ogień Plus	2x12,5	-	-	50	30,0	6400	-	-	-	49,0	(R)EI120	III	-
SS175/2/WodaOgień+	2xC100	Woda Ogień Plus	2x12,5	-	-	50	30,0	6400	-	-	-	49,0	(R)EI120	III	-
SS175/2/Twarda	2xC100	Twarda	2x12,5	-	-	50	30,0	6400	-	-	-	60,0	(R)EI120	III	●
SS175/2/Hydro	2xC100	Hydro	2x12,5	-	-	50	50,0	6400	-	-	-	52,0	(R)EI120	III	●
SS175/2/Cicha	2xC100	Cicha	2x12,5	-	-	50	30,0	6400	-	-	-	60,0	(R)EI120	III	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
[4] Replacement with the NIDA Woda type H2 plasterboard is acceptable.
[5] Replacement with the NIDA Woda Ogień Plus type DFH2 plasterboard is acceptable.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana										
		SS175/2/ Expert [4]	SS175/2/ Expert	SS175/2/ Woda	SS175/2/ Expert + Ogień+	SS175/2/ Ogień+ [5]	SS175/2/ Ogień+ [5]	SS175/2/ Ogień+	SS175/2/ WodaOgień+	SS175/2/ Twarda	SS175/2/ Hydro	SS175/2/ Cicha
		Consumption of material per 1 m²										
Nida Expert 12,5 mm plasterboard	m²	4,0	4,0	-	2,0	-	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	-	4,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	-	2,0	4,0	4,0	4,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	4,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	4,0
Nida C100 profile	lm	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,2
Nida U100 profile (przecięty wzdłużnie) [6]	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [7]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0	24,0	24,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	-	-	24,0	-	24,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	24,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	-	-	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	-	-	0,2
Nida Hydromix ready-to-use joint filler [8]	kg	-	-	-	-	-	-	-	-	1,4	1,4	-
Mineral wool [9]	m²	-	1,0	1,0	-	-	1,0	1,0	1,0	1,0	1,0	1,0

[6] Alternatively apply steel angles or 2 pcs. U50 profiles along the entire length of the structure.
[7] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[8] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[9] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI120

Maximum acoustic insulation: 58 dB

Maximum encasement height: 6400 mm

Weight of 1 m² of encasement: 60,0-64,0 kg

Number of related document: ETA 15/0301

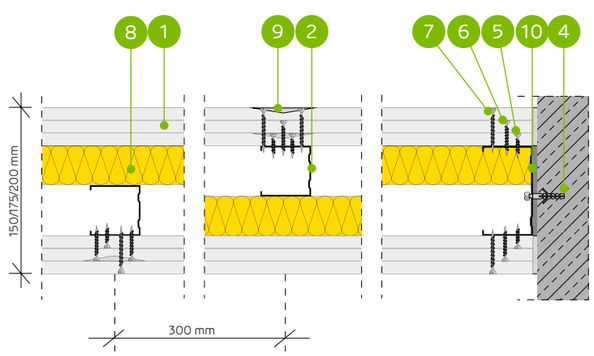
Declaration of Performance:
DoP/Wall System /0005/15.11.2016

SYSTEMS:

S150/3; S175/3; S200/3; SS150/3; SS175/3; SS200/3

MATERIALS:

1. Nida Ogień Typ F 12,5 mm plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U75, U100 profile, steel angles
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Nida 3.5 x 55 mm sheet metal screws
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 70 mm



THE PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C50, C75, C100 PROFILES (STRUCTURE ARRANGEMENT WITH 25 MM OFFSET)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_W [dB]	[kg]	[min]	ETAG 003 class	
S150/3/OgieńTypF	C50	Ogień Typ F	3x12,5	50	12,0	50	10,0	3000	58	55	50	60,0	(R)EI120	III	-
S175/3/OgieńTypF	C75	Ogień Typ F	3x12,5	50	12,0	50	10,0	4100	58	55	50	60,0	(R)EI120	III	-
S200/3/OgieńTypF	C100	Ogień Typ F	3x12,5	50	12,0	50	10,0	4800	58	55	50	61,0	(R)EI120	III	-
SS150/3/OgieńTypF	2xC50	Ogień Typ F	3x12,5	-	-	50	10,0	3500	-	-	-	62,0	(R)EI120	III	-
SS175/3/OgieńTypF	2xC75	Ogień Typ F	3x12,5	-	-	50	10,0	5500	-	-	-	63,0	(R)EI120	III	-
SS200/3/OgieńTypF	2xC100	Ogień Typ F	3x12,5	-	-	50	10,0	6400	-	-	-	64,0	(R)EI120	III	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm. The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		S150/3/ OgieńTypF	S175/3/ OgieńTypF	S200/3/ OgieńTypF	SS150/3/ OgieńTypF	SS175/3/ OgieńTypF	SS200/3/ OgieńTypF
		Consumption of material per 1 m²					
Nida Ogień Type F 12,5 mm plasterboard	m²	6,0	6,0	6,0	6,0	6,0	6,0
Nida C50 profile	lm	3,6	-	-	7,2	-	-
Nida C75 profile	lm	-	3,6	-	-	7,2	-
Nida C100 profile	lm	-	-	3,6	-	-	7,2
Nida U75 profile	lm	0,7	-	-	0,7	-	-
Nida U100 profile	lm	-	0,7	-	-	0,7	-
Nida U100 profile (przecięty wzdłużnie) [3]	lm	-	-	0,7	-	-	0,7
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	-	-	-	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x35 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Nida 3.5x55 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,8	1,8	1,8	1,8	1,8	1,8
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [5]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[3] Alternatively apply steel angles or 2 pcs. U50 profiles along the entire length of the structure.
[4] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[5] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI15 (R)EI60

Maximum acoustic insulation: 51 dB

Maximum encasement height: 3250 mm

Weight of 1 m² of encasement: 27,0-41,0 kg

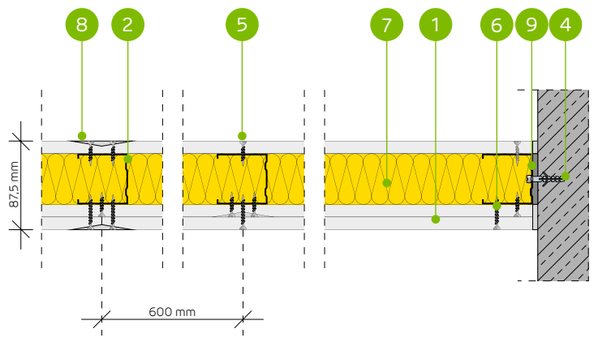
Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0005/15.11.2016

SYSTEMS:
87N50

MATERIALS:

1. Nida plasterboard
2. Nida C 50 profile
3. Nida U 50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 50 mm



THE PARTITION WALL SYSTEM ON STRUCTURE OF THE NIDA C50 PROFILES (ASYMMETRICAL ARRANGEMENT OF SHEATHING)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
87N50/Expert	C50	Expert	2x12,5/12,5	50	12,0	50	10,0	3250	42	38	31	27,0	(R)EI15	II	-
87N50/Woda [3]	C50	Woda	2x12,5/12,5	50	12,0	50	10,0	3250	42	38	31	29,0	(R)EI15	III	-
87N50/Ogień+	C50	Ogień Plus	2x12,5/12,5	50	12,0	50	30,0	3250	44	39	32	33,0	(R)EI60	III	-
87N50/WodaOgień+	C50	Woda Ogień Plus	2x12,5/12,5	50	12,0	50	30,0	3250	44	39	32	33,0	(R)EI60	III	-
87N50/Twarda	C50	Twarda	2x12,5/12,5	50	14,5	50	30,0	3250	50	43	35	41,0	(R)EI60	III	●
87N50/Hydro	C50	Hydro	2x12,5/12,5	50	12,0	50	50,0	3250	44	39	32	35,0	(R)EI60	III	●
87N50/Cicha	C50	Cicha	2x12,5/12,5	50	14,5	50	30,0	3250	51	46	39	41,0	(R)EI60	III	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)

The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana						
		87N50/Expert	87N50/Woda	87N50/Ogień+	87N50/ WodaOgień+	87N50/Twarda	87N50/Hydro	87N50/Cicha
		Consumption of material per 1 m²						
Nida Expert 12,5 mm plasterboard	m²	3,0	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	3,0	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	3,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	3,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	3,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	3,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	3,0
Nida C50 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U50 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	12,0	12,0	12,0	12,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	12,0	-	12,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	12,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,9	0,9	0,9	0,9	-	-	0,9
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	-	-	0,2
Gotowa masa szpachlowa Nida Hydromix [5]	kg	-	-	-	-	1,1	1,1	-
Mineral wool [6]	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0

[4] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[5] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).

The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI15 (R)EI60

Maximum acoustic insulation: 54 dB

Maximum encasement height: 4500 mm

Weight of 1 m² of encasement: 27,0-42,0 kg

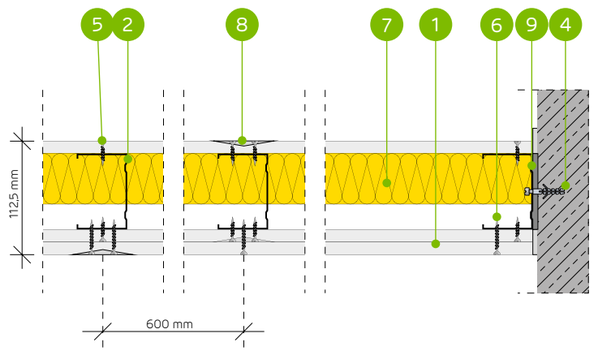
Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

SYSTEMS:
112N75

MATERIALS:

1. Nida plasterboard
2. Nida C 75 profile
3. Nida U 75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 70 mm



THE PARTITION WALL SYSTEM ON STRUCTURE OF THE NIDA C75 PROFILES (ASYMMETRICAL ARRANGEMENT OF SHEATHING)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
112N75/Expert	C75	Expert	2x12,5/12,5	75	14,5	50	10,0	4500	46	41	33	27,0	(R)EI15	III	-
112N75/Woda [3]	C75	Woda	2x12,5/12,5	75	14,5	50	10,0	4500	46	41	33	29,0	(R)EI15	III	-
112N75/Ogień+	C75	Ogień Plus	2x12,5/12,5	50	12,0	50	30,0	4500	47	44	37	33,0	(R)EI60	III	-
112N75/WodaOgień+	C75	Woda Ogień Plus	2x12,5/12,5	50	12,0	50	30,0	4500	47	44	37	33,0	(R)EI60	III	-
112N75/Twarda	C75	Twarda	2x12,5/12,5	75	14,5	50	30,0	4500	51	48	41	42,0	(R)EI60	III	●
112N75/Hydro	C75	Hydro	2x12,5/12,5	50	12,0	50	50,0	4500	47	44	37	36,0	(R)EI60	III	●
112N75/Cicha	C75	Cicha	2x12,5/12,5	75	14,5	50	30,0	4500	54	50	43	42,0	(R)EI60	III	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana						
		112N75/Expert	112N75/Woda	112N75/Ogień+	112N75/ WodaOgień+	112N75/Twarda	112N75/Hydro	112N75/Cicha
		Consumption of material per 1 m²						
Nida Expert 12,5 mm plasterboard	m²	3,0	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	3,0	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	3,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	3,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	3,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	3,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	3,0
Nida C75 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U75 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	12,0	12,0	12,0	12,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	12,0	-	12,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	12,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,9	0,9	0,9	0,9	-	-	0,9
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	-	-	0,2
Gotowa masa szpachlowa Nida Hydromix [5]	kg	-	-	-	-	1,1	1,1	-
Mineral wool [6]	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0

[4] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[5] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI15 (R)EI60

Maximum acoustic insulation: 56 dB

Maximum encasement height: 5000 mm

Weight of 1 m² of encasement: 27,0-42,0 kg

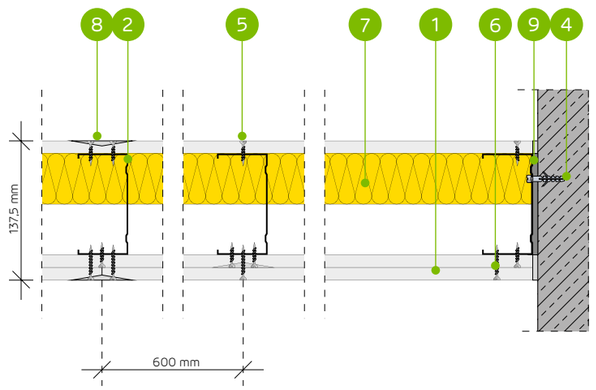
Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0001/15.11.2016

SYSTEMS:
137N100

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile
3. Nida U 100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Insulation material mineral wool
8. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
9. Nida acoustic insulation tape width 95 mm



THE PARTITION WALL SYSTEM ON STRUCTURE OF THE NIDA C100 PROFILES (ASYMMETRICAL ARRANGEMENT OF SHEATHING)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_W [dB]	[kg]	[min]	ETAG 003 class	
137N100/Expert	C100	Expert	2x12,5/12,5	100	14,5	50	10,0	5000	50	47	39	27,0	(R)EI15	IV	-
137N100/Woda [3]	C100	Woda	2x12,5/12,5	100	14,5	50	10,0	5000	50	47	39	30,0	(R)EI15	IV	-
137N100/Ogień+	C100	Ogień Plus	2x12,5/12,5	100	12,0	50	30,0	5000	50	48	43	33,0	(R)EI60	IV	-
137N100/WodaOgień+	C100	Woda Ogień Plus	2x12,5/12,5	100	12,0	50	30,0	5000	50	48	43	33,0	(R)EI60	IV	-
137N100/Twarda	C100	Twarda	2x12,5/12,5	100	14,5	50	30,0	5000	54	51	43	42,0	(R)EI60	IV	●
137N100/Hydro	C100	Hydro	2x12,5/12,5	100	12,0	50	50,0	5000	50	48	43	36,0	(R)EI60	IV	●
137N100/Cicha	C100	Cicha	2x12,5/12,5	100	14,5	50	30,0	5000	56	53	47	42,0	(R)EI60	IV	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301. For any higher requirements related to the maximum height it is acceptable to reduce the spacing of the load-bearing structure to 400 mm and 300 mm.
[3] It is advised to apply the Nida Hydro plaster-fibre boards in the areas with the relative air humidity up to 85% and in the corner sections where intensive influence of water is expected (the horizontal and vertical surfaces in the vicinity of baths, showers, etc.)
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana						
		137N100/Expert	137N100/Woda	137N100/ Ogień+	137N100/ WodaOgień+	137N100/ Twarda	137N100/Hydro	137N100/Cicha
		Consumption of material per 1 m²						
Nida Expert 12,5 mm plasterboard	m²	3,0	-	-	-	-	-	-
Nida Woda 12,5 mm plasterboard	m²	-	3,0	-	-	-	-	-
Nida Ogień Plus 12,5 mm plasterboard	m²	-	-	3,0	-	-	-	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	-	-	3,0	-	-	-
Nida Twarda 12,5 mm plasterboard	m²	-	-	-	-	3,0	-	-
Nida Hydro 12,5 mm plasterboard	m²	-	-	-	-	-	3,0	-
Nida Cicha 12,5 mm plasterboard	m²	-	-	-	-	-	-	3,0
Nida C100 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U100 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	12,0	12,0	12,0	12,0	-	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	8,0	-	8,0
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	12,0	-	12,0
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	8,0	-
Nida Hydro C5 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	-	12,0	-
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,9	0,9	0,9	0,9	-	-	0,9
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	-	-	0,2
Gotowa masa szpachlowa Nida Hydromix [4]	kg	-	-	-	-	1,1	1,1	-
Mineral wool [5]	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0

[4] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[5] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI60

Maximum acoustic insulation: 59 dB

Maximum encasement height: 10000 mm

Weight of 1 m² of encasement: 45,0-47,0 kg

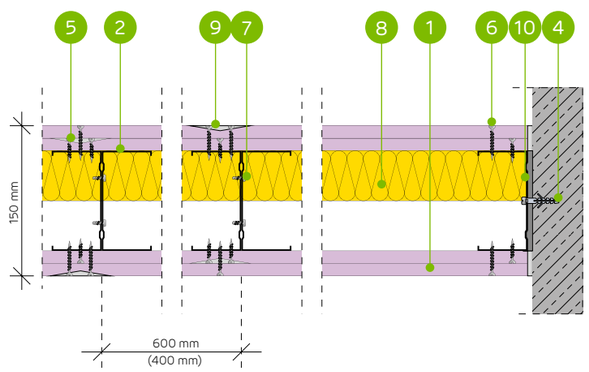
Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0007/15.11.2016

SYSTEMS:
SW150

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile (doubled)
3. Nida U 100 profile (at the top Nida U 100/80)
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 95 mm



THE HIGH PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C100 PROFILES (WALLS UP TO 10 M HIGH)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Axial spacing between Nida profiles	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encase-ment	Fire resistan-ce class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	[mm]	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
SW150-300/Ogień+	C100	300	Ogień Plus	2x12,5	100	14,5	-[3]	-[3]	9000	59	57	53	45,0	(R)EI60	IV	●
SW150-300/WodaOgień+	C100	300	Woda Ogień Plus	2x12,5	100	14,5	-[3]	-[3]	9000	59	57	53	45,0	(R)EI60	IV	●
SWSW150/Ogień+	2xC100	600	Ogień Plus	2x12,5	100	14,5	-[3]	-[3]	9000	59	57	53	45,0	(R)EI60	IV	●
SWSW150/WodaOgień+	2xC100	600	Woda Ogień Plus	2x12,5	100	14,5	-[3]	-[3]	9000	59	57	53	45,0	(R)EI60	IV	●
SWSW150-400/Ogień+	2xC100	400	Ogień Plus	2x12,5	-	-	-[3]	-[3]	10000	-	-	-	47,0	(R)EI60	IV	●
SWSW150-400/WodaOgień+	2xC100	400	Woda Ogień Plus	2x12,5	-	-	-[3]	-[3]	10000	-	-	-	47,0	(R)EI60	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301, fire classification ITB 1060/15/R92NP.
[3] Optional application of insulation material - air gap or mineral wool (glass or rock) of density 15-50 kg/m³.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		SW150-300/ Ogień+	SW150-300/ WodaOgień+	SWSW150/Ogień+	SWSW150/ WodaOgień+	SWSW150-400/ Ogień+	SWSW150-400/ WodaOgień+
		Consumption of material per 1 m²					
Nida Ogień Plus 12,5 mm plasterboard	m²	4,0	-	4,0	-	4,0	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	4,0	-	4,0	-	4,0
Nida C100 profile	lm	3,6	3,6	3,6	3,6	5,4	5,4
Nida U100 profile	lm	0,35	0,35	0,35	0,35	0,35	0,35
Nida U100 profile (special)	lm	-[4]	-[4]	-[4]	-[4]	-[4]	-[4]
Anchoring element [5]	pcs.	1,6	1,6	0,8	0,8	1,2	1,2
FLAT HEAD 4,2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	-	-	6,0	6,0	9,0	9,0
Nida 3.5x25 mm sheet metal screws	pcs.	16,0	16,0	8,0	8,0	12,0	12,0
Nida 3.5x35 mm sheet metal screws	pcs.	48,0	48,0	24,0	24,0	36,0	36,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,2	1,2	1,2
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [6]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[4] Consumption depending on the structure height.
[5] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI120

Maximum acoustic insulation: 59 dB

Maximum encasement height: 10000 mm

Weight of 1 m² of encasement: 66,0-68,0 kg

Number of related document: ETA 15/0301

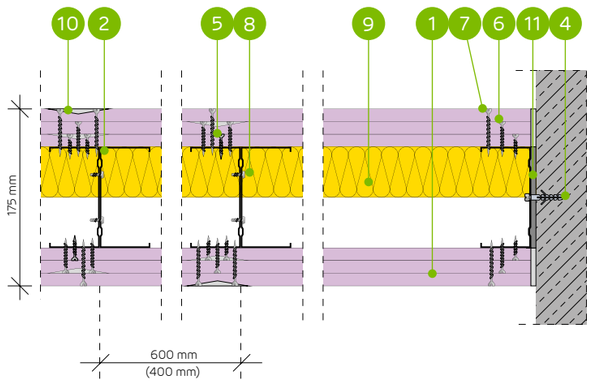
Declaration of Performance: DoP/Wall System /0007/15.11.2016

SYSTEMS:

SW175

MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile (doubled)
3. Nida U 100 profile (at the top Nida U 100/80)
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 35 mm sheet metal screws
7. Nida 3.5 x 55 mm sheet metal screws
8. FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal
9. Insulation material mineral wool
10. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
11. Nida acoustic insulation tape width 95 mm



THE HIGH PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C100 PROFILES (WALLS UP TO 10 M HIGH)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Axial spacing between Nida profiles	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	[mm]	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{As} [dB]	R_{Ar} [dB]	[kg]	[min]	ETAG 003 class	
SW175-300/Ogień+	C100	300	Ogień Plus	3x12,5	100	14,5	-[3]	-[3]	9000	59	57	53	66,0	(R)EI120	IV	●
SW175-300/WodaOgień+	C100	300	Woda Ogień Plus	3x12,5	100	14,5	-[3]	-[3]	9000	59	57	53	66,0	(R)EI120	IV	●
SWSW175/Ogień+	2xC100	600	Ogień Plus	3x12,5	100	14,5	-[3]	-[3]	9000	59	57	53	66,0	(R)EI120	IV	●
SWSW175/WodaOgień+	2xC100	600	Woda Ogień Plus	3x12,5	100	14,5	-[3]	-[3]	9000	59	57	53	66,0	(R)EI120	IV	●
SWSW175-400/Ogień+	2xC100	400	Ogień Plus	3x12,5	-	-	-[3]	-[3]	10000	-	-	-	68,0	(R)EI120	IV	●
SWSW175-400/WodaOgień+	2xC100	400	Woda Ogień Plus	3x12,5	-	-	-[3]	-[3]	10000	-	-	-	68,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301, fire classification ITB 1060/15/R92NP.
[3] Opcjonalne zastosowanie materiału izolacyjnego - pustka lub wełna mineralna (szklana lub skalna) o gęstości 15-50 kg/m³.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		SW175-300/Ogień+	SW175-300/WodaOgień+	SWSW175/Ogień+	SWSW175/WodaOgień+	SWSW175-400/Ogień+	SWSW175-400/WodaOgień+
		Consumption of material per 1 m²					
Nida Ogień Plus 12,5 mm plasterboard	m²	6,0	-	6,0	-	6,0	-
Nida Woda Ogień Plus 12,5 mm plasterboard	m²	-	6,0	-	6,0	-	6,0
Nida C100 profile	lm	3,6	3,6	3,6	3,6	5,4	5,4
Nida U100 profile	lm	0,35	0,35	0,35	0,35	0,35	0,35
Nida U100 profile (special)	lm	-[4]	-[4]	-[4]	-[4]	-[4]	-[4]
Anchoring element [5]	pcs.	1,6	1,6	0,8	0,8	1,2	1,2
FLAT HEAD 4,2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	-	-	6,0	6,0	9,0	9,0
Nida 3.5x25 mm sheet metal screws	pcs.	16,0	16,0	8,0	8,0	12,0	12,0
Nida 3.5x35 mm sheet metal screws	pcs.	16,0	16,0	8,0	8,0	12,0	12,0
Nida 3.5x55 mm sheet metal screws	pcs.	48,0	48,0	24,0	24,0	36,0	36,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,8	1,8	1,8	1,8	1,8	1,8
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [6]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[4] Consumption depending on the structure height.
[5] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI120

Maximum acoustic insulation: 60 dB

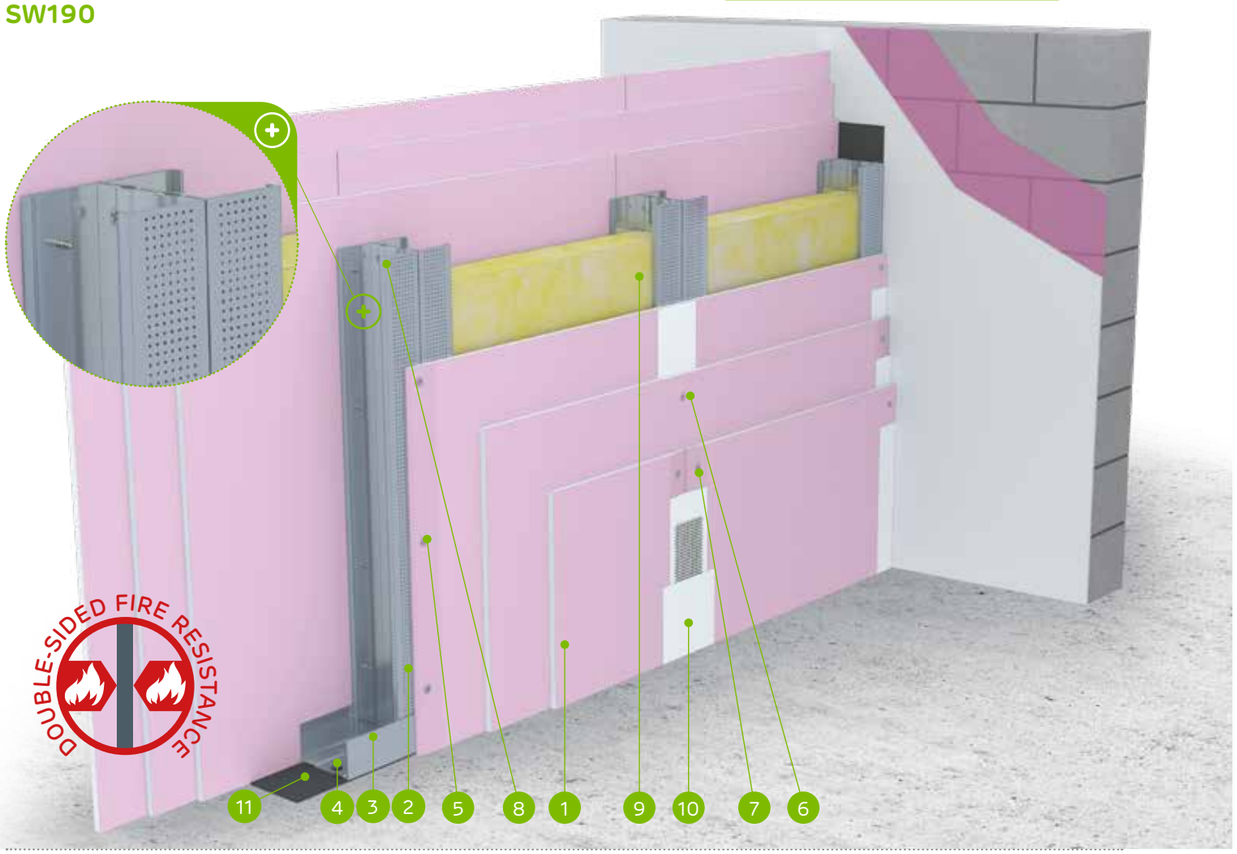
Maximum encasement height: 11000 mm

Weight of 1 m² of encasement: 87,0-89,0 kg

Number of related document: ETA 15/0301

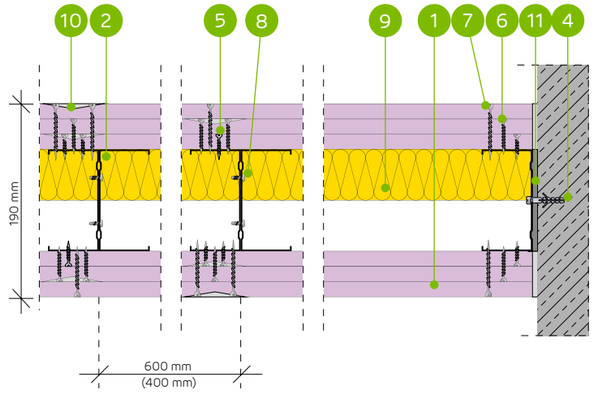
Declaration of Performance: DoP/Wall System /0007/15.11.2016

SYSTEMS:
SW190



MATERIALS:

1. Nida plasterboard
2. Nida C 100 profile (doubled)
3. Nida U 100 profile (at the top Nida U 100/80)
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 45 mm sheet metal screws
7. Nida 3.5 x 55 mm sheet metal screws
8. FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal
9. Insulation material mineral wool
10. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
11. Nida acoustic insulation tape width 95 mm



THE HIGH PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C100 PROFILES (WALLS UP TO 11 M HIGH)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Axial spacing between Nida profiles	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	[mm]	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_A [dB]	R_W [dB]	[kg]	[min]	ETAG 003 class	
SW190-300/Ogień+	C100	300	Ogień Plus	3x15,0	-	-	-[3]	-[3]	10000	-	-	-	87,0	(R)EI120	IV	●
SWSW190/Ogień+	2xC100	600	Ogień Plus	3x15,0	50	45,0	-[3]	-[3]	10000	60	58	54	87,0	(R)EI120	IV	●
SWSW190-400/Ogień+	2xC100	400	Ogień Plus	3x15,0	-	-	-[3]	-[3]	11000	-	-	-	89,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301, fire classification ITB 1060/15/R92NP.
[3] Opcjonalne zastosowanie materiału izolacyjnego - pustka lub wełna mineralna (szklana lub skalna) o gęstości 15-50 kg/m³.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana		
		SW190-300/Ogień+	SWSW190/Ogień+	SWSW190-400/Ogień+
		Consumption of material per 1 m²		
Nida Ogień Plus 15,0 mm plasterboard	m²	6,0	6,0	6,0
Nida C100 profile	lm	3,6	3,6	5,4
Nida U100 profile	lm	035	0,35	0,35
Nida U100 profile (special)	lm	-[4]	-[4]	-[4]
Anchoring element [5]	pcs.	1,6	0,8	1,2
FLAT HEAD 4,2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	-	6,0	9,0
Nida 3.5x25 mm sheet metal screws	pcs.	16,0	8,0	12,0
Nida 3.5x45 mm sheet metal screws	pcs.	16,0	8,0	12,0
Nida 3.5x55 mm sheet metal screws	pcs.	48,0	24,0	36,0
Nida reinforcement tape	lm	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,8	1,8	1,8
Nida Finish gypsum putty	kg	0,2	0,2	0,2
Mineral wool [6]	m²	1,0	1,0	1,0

[4] Consumption depending on the structure height.
[5] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI120

Maximum acoustic insulation: 62 dB

Maximum encasement height: 11000 mm

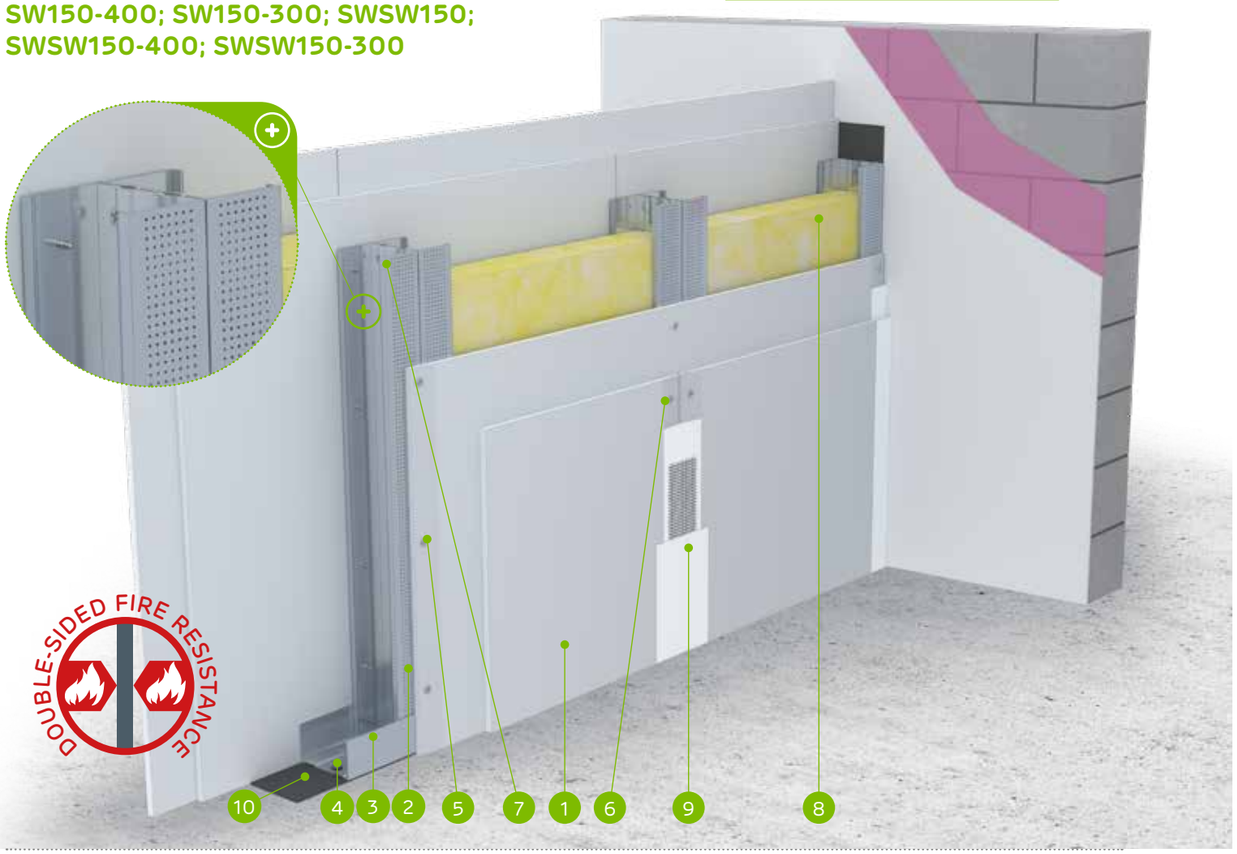
Weight of 1 m² of encasement: 56,0-60,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0007/15.11.2016

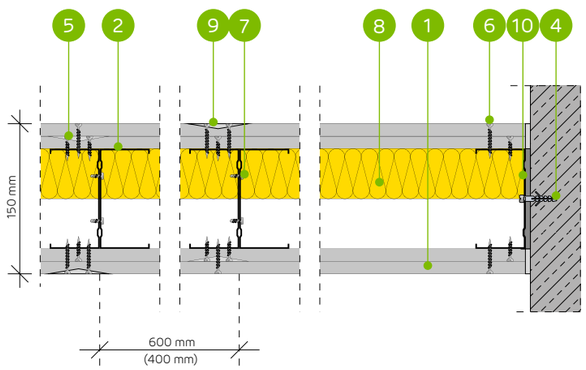
SYSTEMS:

SW150-400; SW150-300; SWSW150; SWSW150-400; SWSW150-300



MATERIALS:

1. Nida Twarda plaster-particle board with fibres
2. Nida C 100 profile (doubled)
3. Nida U 100 profile (at the top Nida U 100/80)
4. Anchoring element
5. FixDens 4.2 x 25 mm screws
6. FixDens 4.2 x 42 mm screws
7. FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal
8. Insulation material mineral wool
9. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
10. Nida acoustic insulation tape width 95 mm



THE HIGH PARTITION WALL SYSTEM ON A SINGLE OR DOUBLED STRUCTURE OF THE NIDA C100 PROFILES (WALLS UP TO 11 M HIGH)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Axial spacing between Nida profiles	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class	Utilisation category	Special system
					In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	[mm]	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{in} [dB]	R_{ex} [dB]	[kg]	[min]	ETAG 003 class	
SW150-400/Twarda	C100	400	Twarda	2x12,5	-	-	50	50,0	8250	-	-	-	56,0	(R)EI120	IV	●
SW150-300/Twarda	C100	300	Twarda	2x12,5	-	-	50	50,0	9000	-	-	-	57,0	(R)EI120	IV	●
SWSW150/Twarda	2xC100	600	Twarda	2x12,5	100	14,5	50	50,0	9000	62	60	56	57,0	(R)EI120	IV	●
SWSW150-400/Twarda	2xC100	400	Twarda	2x12,5	-	-	50	50,0	10250	-	-	-	58,0	(R)EI120	IV	●
SWSW150-300/Twarda	2xC100	300	Twarda	2x12,5	-	-	50	50,0	11000	-	-	-	60,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana				
		SW150-400/Twarda	SW150-300/Twarda	SWSW150/Twarda	SWSW150-400/Twarda	SWSW150-300/Twarda
		Consumption of material per 1 m²				
Nida Twarda 12,5 mm plasterboard	m²	4,0	4,0	4,0	4,0	4,0
Nida C100 profile	lm	2,7	3,6	3,6	5,4	7,2
Nida U100 profile	lm	0,35	0,35	0,35	0,35	0,35
Nida U100 profile (special)	lm	- [3]	- [3]	- [3]	- [3]	- [3]
Anchoring element [4]	pcs.	1,2	1,6	0,8	1,2	1,6
FLAT HEAD 4,2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	-	-	6,0	9,0	12,0
FixDens 4.2x25 mm screws	pcs.	12,0	16,0	8,0	12,0	16,0
FixDens 4.2x42 mm screws	pcs.	36,0	48,0	24,0	36,0	48,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6
Nida Hydromix ready-to-use joint filler	kg	1,4	1,4	1,4	1,4	1,4
Mineral wool [5]	m²	1,0	1,0	1,0	1,0	1,0

[3] Consumption depending on the structure height.
[4] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[5] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

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nida Ściana

Fire resistance class: N/A

Maximum acoustic insulation: 50 dB

Maximum encasement height: 6450 mm

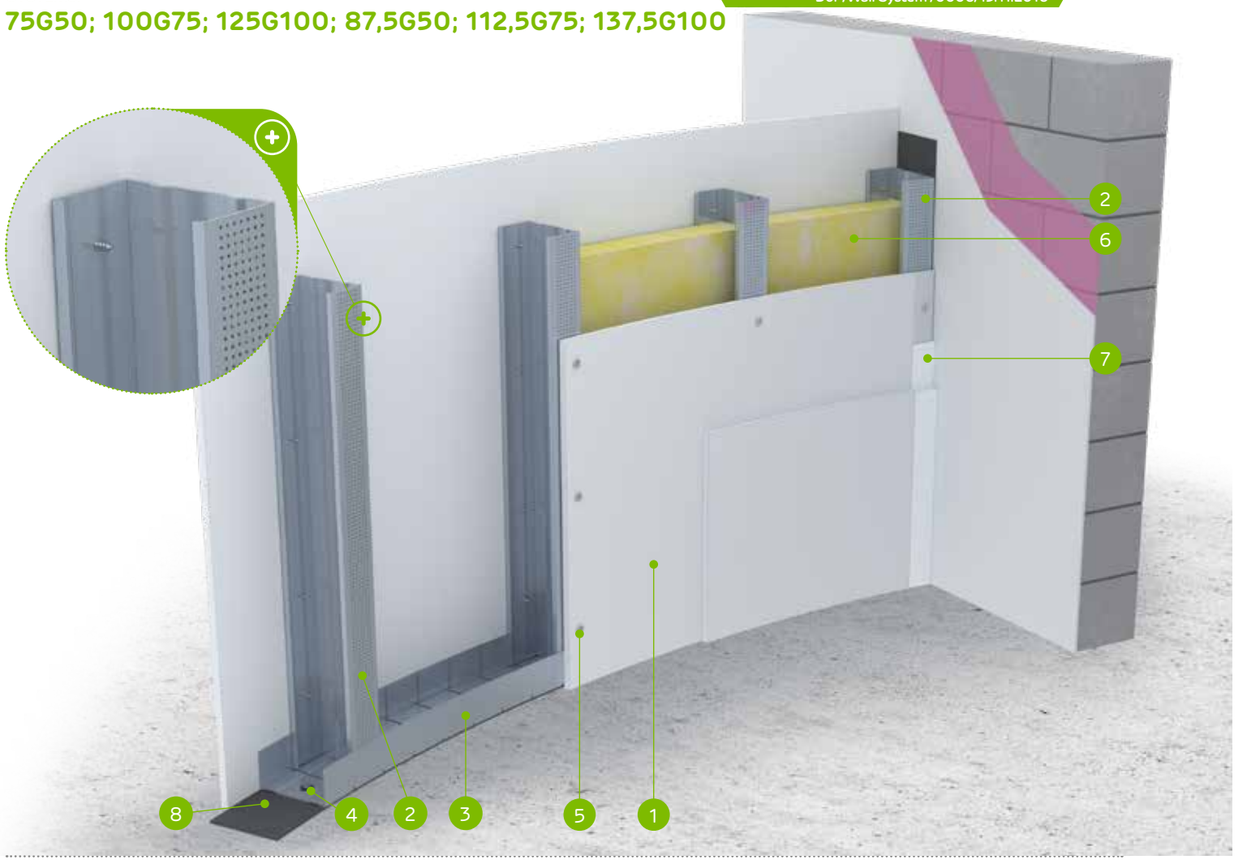
Weight of 1 m² of encasement: 27,0-40,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0006/15.11.2016

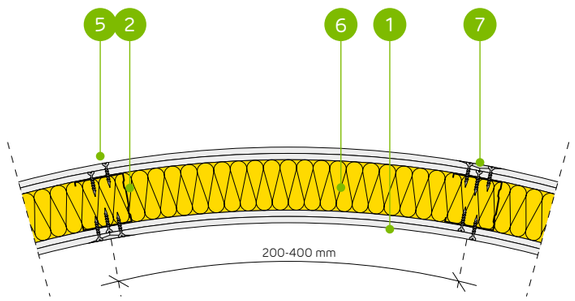
SYSTEMS:

75G50; 100G75; 125G100; 87,5G50; 112,5G75; 137,5G100



MATERIALS:

1. Nida Gięta 6,25 mm plasterboard
2. Nida C50 / C75 / C100 profile
3. Nida U 50 / U 75 / U 100 profile nicked
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Insulation material mineral wool
7. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
8. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE PARTITION CURVED WALL SYSTEM ON A STRUCTURE OF THE NIDA C50, C75, C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material		Maximum wall height - h [1]	Acoustic insulation			Weight of encasement	Fire resistance class
				In terms of acoustic insulation							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]
75G50/Gięta	C50	Gięta	2x6,25	50	12,0	4000	46	41	34	27,0	-
100G75/Gięta	C75	Gięta	2x6,25	50	12,0	5250	46	41	34	28,0	-
125G100/Gięta	C100	Gięta	2x6,25	50	12,0	6450	46	41	34	29,0	-
87,5G50/Gięta	C50	Gięta	3x6,25	50	12,0	4000	50	44	36	38,0	-
112,5G75/Gięta	C75	Gięta	3x6,25	50	12,0	5250	50	44	36	39,0	-
137,5G100/Gięta	C100	Gięta	3x6,25	50	12,0	6450	50	44	36	40,0	-

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] European Technical Assessment ETA 15/0301.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		75G50/Gięta	100G75/Gięta	125G100/Gięta	87,5G50/Gięta	112,5G75/Gięta	137,5G100/Gięta
		Consumption of material per 1 m²					
Nida Gięta 6,25 mm plasterboard	m²	4,0	4,0	4,0	6,0	6,0	6,0
Nida C50 profile	lm	7,2	-	-	7,2	-	-
Nida C75 profile	lm	-	7,2	-	-	7,2	-
Nida C100 profile	lm	-	-	7,2	-	-	7,2
Nida U50 profile nacinany	lm	0,7	-	-	0,7	-	-
Nida U75 profile nacinany	lm	-	0,7	-	-	0,7	-
Nida U100 profile nacinany	lm	-	-	0,7	-	-	0,7
Anchoring element [3]	pcs.	2,4	2,4	2,4	2,4	2,4	2,4
Nida 3.5x25 mm sheet metal screws	pcs.	128,0	128,0	128,0	160,0	160,0	160,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	1,2	1,2	1,2	1,8	1,8	1,8
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2	0,2	0,2
Mineral wool [4]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI120

Maximum acoustic insulation: 80 dB

Maximum encasement height: 19850 mm

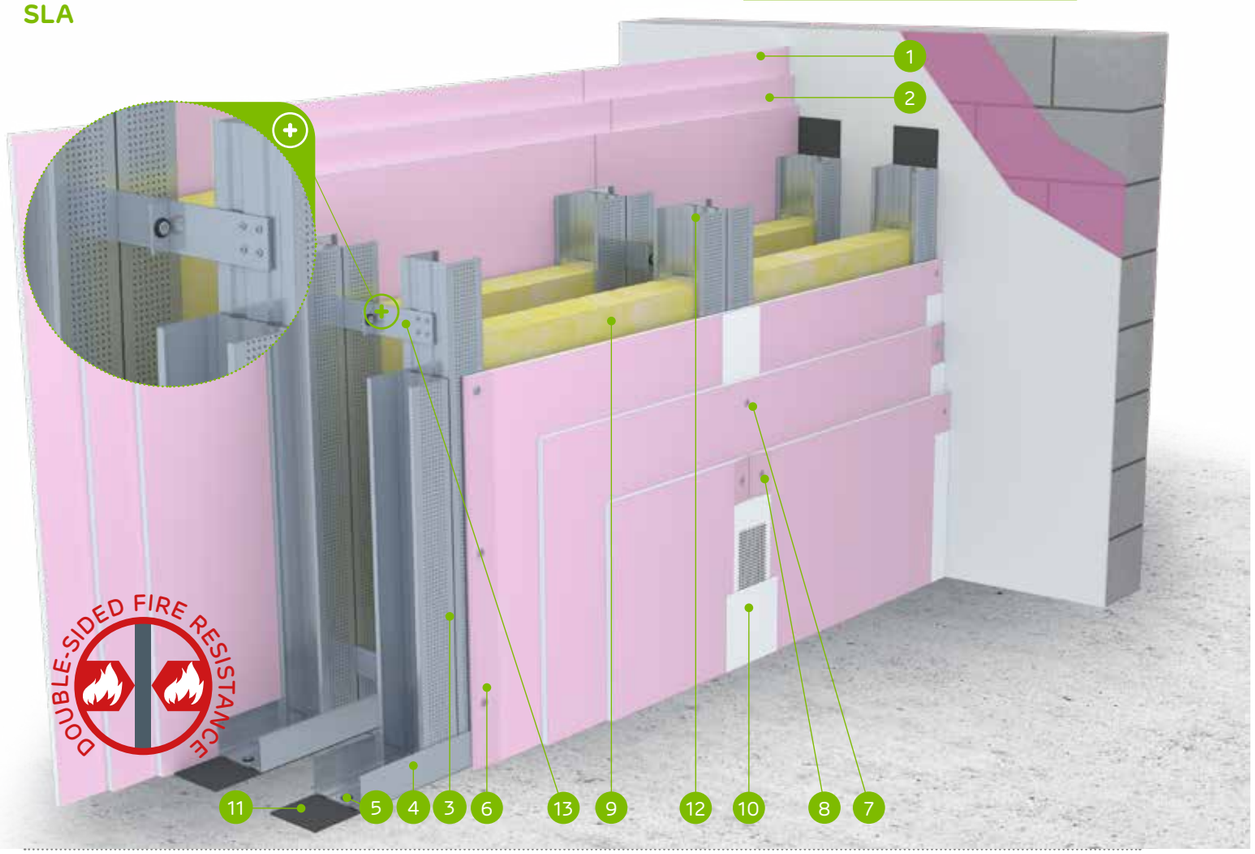
Weight of 1 m² of encasement: 93,0-114,0 kg

Number of related document: ETA 15/0301

Declaration of Performance: DoP/Wall System /0008/15.11.2016

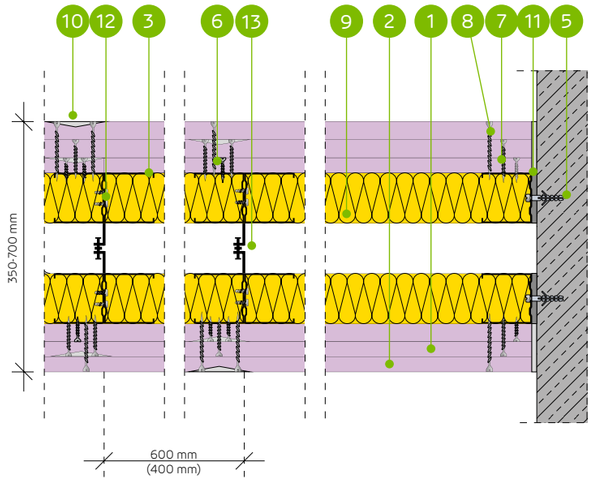
SYSTEMS:

SLA



MATERIALS:

1. Nida Ogień Plus 15,0 mm plasterboard
2. Nida Ogień Plus 18.0 mm plasterboard
3. Nida C 100 profile (doubled)
4. Nida U 100 profile (at the top Nida U 100/80)
5. Anchoring element
6. Nida 3.5 x 35 mm sheet metal screws
7. Nida 3.5 x 55 mm sheet metal screws
8. Nida 4.2 x 70 mm sheet metal screws
9. Insulation material mineral wool thickness 100 mm
10. Joint between plasterboards filled with Nida gypsum compound with Nida reinforcement tape
11. Nida acoustic insulation tape width 95 mm
12. FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal
13. Phoni SL acoustic connector



THE ACOUSTIC CINEMA PARTITION WALL SYSTEM BASED ON DOUBLE-ROW DOUBLED STRUCTURES OF THE NIDA C100 OR UA100 PROFILES (CINEMA WALLS)

TECHNICAL PARAMETERS

System type Nida Ściana [1]	Frame structure	Axial spacing between Nida profiles	Sheathing of plasterboards		Insulation material		Maximum wall height - h	Acoustic insulation [2]			Weight of encase-ment	Fire resistance class	Utilisation category	Special system
					Rockwool									
	Nida	[mm]	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
SLA/CC/Ogień+	2xC100	600	Ogień Plus	2x15,0+18,0 15,0+2x18,0	2x100	65,0	12000	80	77	70	93,0	REI120	IV	●
SLA/CC-400/Ogień+	2xC100	400	Ogień Plus	2x15,0+18,0 15,0+2x18,0	2x100	65,0	14000	80	77	70	96,0	REI120	IV	●
SLA/CC-300/Ogień+	2xC100	300	Ogień Plus	2x15,0+18,0 15,0+2x18,0	2x100	65,0	16000	80	77	70	100,0	REI120	IV	●
SLA/UAUA-400/Ogień+	2xUA100	400	Ogień Plus	2x15,0+18,0 15,0+2x18,0	2x100	65,0	19850	80	77	70	114,0	REI120	IV	●

[1] European Technical Assessment ETA 15/0301.
[2] Acoustic test report ITB LZF01-01060/20/R159NZF.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana			
		SLA/CC/Ogień+	SLA/CC-400/Ogień+	SLA/CC-300/Ogień+	SLA/UAUA-400/Ogień+
		Consumption of material per 1 m²			
Nida Ogień Plus 15 mm plasterboard	m²	3,0	3,0	3,0	3,0
Nida Ogień Plus 18 mm plasterboard	m²	3,0	3,0	3,0	3,0
Nida C100 profile	lm	7,2	10,8	14,4	-
Nida U100 profile	lm	0,7	0,7	0,7	0,7
Nida U100 profile (special)	lm	- [2]	- [2]	- [2]	- [2]
Nida UA100 profile	lm	-	-	-	10,8
Phoni SL acoustic connector	pcs.	1,4	2,1	2,8	2,1
Nida angle profile for UA100 profile	pcs.	-	-	-	1,0
Anchoring element [3]	pcs.	1,6	2,4	3,2	4,4
FLAT HEAD M8 bolt with serrated nut	pcs.	-	-	-	3,0
FLAT HEAD 4,2x13 mm self-drilling screw for 1 mm sheet metal	pcs.	12,0	18,0	24,0	-
Nida 3.5x25 mm sheet metal screws	pcs.	4,0	6,0	8,0	6,0
Nida 3.5x35 mm sheet metal screws	pcs.	4,0	6,0	8,0	6,0
Nida 3.5x45 mm sheet metal screws	pcs.	4,0	6,0	8,0	6,0
Nida 3.5x55 mm sheet metal screws	pcs.	4,0	6,0	8,0	6,0
Nida 4.2x70 mm sheet metal screws	pcs.	24,0	36,0	48,0	36,0
Nida reinforcement tape	lm	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2
Nida Start gypsum putty	kg	1,8	1,8	1,8	1,8
Nida Finish gypsum putty	kg	0,2	0,2	0,2	0,2
Mineral wool [4]	m²	2,0	2,0	2,0	2,0

[2] Consumption depending on the structure height.
[3] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[4] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: (R)EI30 (R)EI60

Maximum acoustic insulation: 53 dB

Maximum encasement height: 5000 mm

Weight of 1 m² of encasement: 31,0-37,0 kg

Number of related document: Fire classification

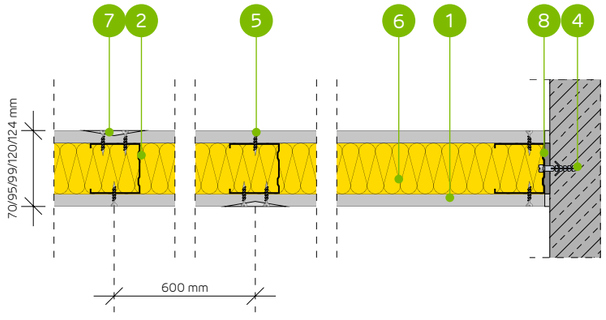
Classification report: LBO-1376-K/19

SYSTEMS:

70A50; 95A75; 120A100; 99A75; 124A100

MATERIALS:

1. Cementex cement board
2. Nida C50 / C75 / C100 Hydro C5 profile
3. Nida U50 / U75 / U100 Hydro C5 profile
4. Anchoring element
5. Cementex 3.9x35 mm sheet metal screws
6. Insulation material mineral wool
7. The joint between the cement boards filled with the Cementex joint filler with the Cementex reinforcement tape
8. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50, C75, C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation [4]			Weight of encasement	Fire resistance class	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
70A50/Cementex	C50	Cementex	1x10,0	50	15,0	40	15,0	3250	45	41	33	31,0	(R)EI30 [2]	III	●
95A75/Cementex	C75	Cementex	1x10,0	75	15,0	40	15,0	4500	49	44	37	31,0	(R)EI30 [2]	III	●
120A100/Cementex	C100	Cementex	1x10,0	75	15,0	40	15,0	5000	51	47	40	32,0	(R)EI30 [2]	IV	●
99A75/Cementex	C75	Cementex	1x12,0	50	15,0	50	30,0	4500	51	47	40	37,0	(R)EI60 [3]	III	●
124A100/Cementex	C100	Cementex	1x12,0	100	15,0	50	30,0	5000	53	50	43	37,0	(R)EI60 [3]	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] PN-EN 13501-2:2016-07 standard.
[3] Classification report LBO-1376-K/19.
[4] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana				
		70A50/Cementex	95A75/Cementex	120A100/Cementex	99A75/Cementex	124A100/Cementex
		Consumption of material per 1 m²				
Cementex 10,0 mm cement board	m²	2,0	2,0	2,0	-	-
Cementex 12,0 mm cement board	m²	-	-	-	2,0	2,0
Nida C50 profile Hydro C5 [5]	lm	1,8	-	-	-	-
Nida C75 profile Hydro C5 [5]	lm	-	1,8	-	1,8	-
Nida C100 profile Hydro C5 [5]	lm	-	-	1,8	-	1,8
Nida U50 profile Hydro C5 [5]	lm	0,7	-	-	-	-
Nida U75 profile Hydro C5 [5]	lm	-	0,7	-	0,7	-
Nida U100 profile Hydro C5 [5]	lm	-	-	0,7	-	0,7
Anchoring element [6]	pcs.	0,9	0,9	0,9	0,9	0,9
Cementex 3.9x35 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0
Cementex reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6
Cementex joint filler	kg	0,8	0,8	0,8	0,8	0,8
Mineral wool [7]	m²	1,0	1,0	1,0	1,0	1,0

[5] In the case of a lower level of corrosiveness environment, it is allowed to use Nida Hydro C3 class profiles.
[6] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[7] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - cataloguWe of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: **(R)EI120**

Maximum acoustic insulation: **61 dB**

Maximum encasement height: **6500 mm**

Weight of 1 m² of encasement: **59,0-71,0 kg**

Number of related document: **Fire classification**

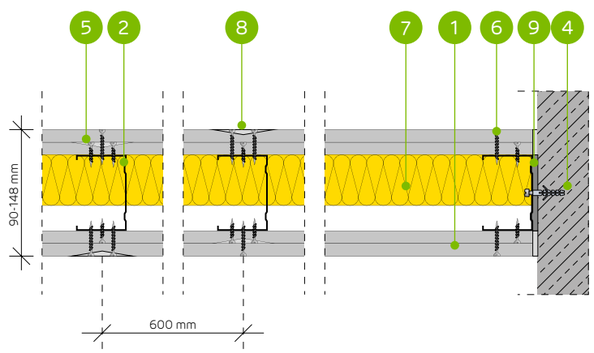
Classification report: LBO-1377-K/19

SYSTEMS:

90A50; 98A50; 115A75; 123A75; 140A100; 148A100

MATERIALS:

1. Cementex cement board
2. Nida C50 / C75 / C100 Hydro C5 profile
3. Nida U50 / U75 / U100 Hydro C5 profile
4. Anchoring element
5. Cementex 3.9x35 mm sheet metal screws
6. Cementex 3.9x45 mm sheet metal screws
7. Insulation material mineral wool
8. The joint between the cement boards filled with the Cementex joint filler with the Cementex reinforcement tape
9. Nida acoustic insulation tape width 50 / 70 / 95 mm



THE PARTITION WALL SYSTEM ON A SINGLE STRUCTURE OF THE NIDA C50, C75, C100 PROFILES

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation [3]			Weight of encasement	Fire resistance class [2]	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
90A50/Cementex	C50	Cementex	2x10,0	50	15,0	50	30,0	4500	57	53	46	59,0	(R)EI120	IV	●
98A50/Cementex	C50	Cementex	2x12,0	50	15,0	50	30,0	4500	57	53	46	70,0	(R)EI120	IV	●
115A75/Cementex	C75	Cementex	2x10,0	75	15,0	50	30,0	5500	60	57	50	59,0	(R)EI120	IV	●
123A75/Cementex	C75	Cementex	2x12,0	75	15,0	50	30,0	5500	60	57	50	70,0	(R)EI120	IV	●
140A100/Cementex	C100	Cementex	2x10,0	75	15,0	50	30,0	6500	61	58	53	60,0	(R)EI120	IV	●
148A100/Cementex	C100	Cementex	2x12,0	75	15,0	50	30,0	6500	61	58	53	71,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] Classification report LBO-1377-K/19.
[3] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		90A50/Cementex	98A50/Cementex	115A75/Cementex	123A75/Cementex	140A100/Cementex	148A100/Cementex
		Consumption of material per 1 m²					
Cementex 10,0 mm cement board	m²	4,0	-	4,0	-	4,0	-
Cementex 12,0 mm cement board	m²	-	4,0	-	4,0	-	4,0
Nida C50 profile Hydro C5 [4]	lm	1,8	1,8	-	-	-	-
Nida C75 profile Hydro C5 [4]	lm	-	-	1,8	1,8	-	-
Nida C100 profile Hydro C5 [4]	lm	-	-	-	-	1,8	1,8
Nida U50 profile Hydro C5 [4]	lm	0,7	0,7	-	-	-	-
Nida U75 profile Hydro C5 [4]	lm	-	-	0,7	0,7	-	-
Nida U100 profile Hydro C5 [4]	lm	-	-	-	-	0,7	0,7
Anchoring element [5]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9
Cementex 3.9x35 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Cementex 3.9x45 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Cementex reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6
Cementex joint filler	kg	1,4	1,4	1,4	1,4	1,4	1,4
Mineral wool [6]	m²	1,0	1,0	1,0	1,0	1,0	1,0

[4] In the case of a lower level of corrosiveness environment, it is allowed to use Nida Hydro C3 class profiles.
[5] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: **(R)EI120**

Maximum acoustic insulation: **74 dB**

Maximum encasement height: **6500 mm**

Weight of 1 m² of encasement: **61,0-73,0 kg**

Number of related document: **Fire classification**

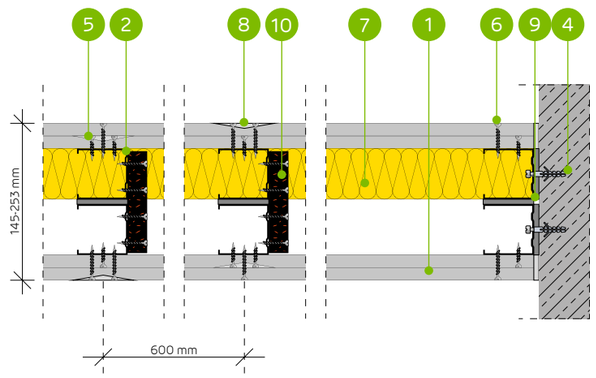
Classification report: LBO-1377-K/19

SYSTEMS:

145B50-PWA; 153B50-PWA; 195B75-PWA; 203B75-PWA 245B100-PWA; 253B100-PWA

MATERIALS:

1. Cementex cement board
2. Nida C50 / C75 / C100 Hydro C5 profile
3. Nida U50 / U75 / U100 Hydro C5 profile
4. Anchoring element
5. Cementex 3.9x35 mm sheet metal screws
6. Cementex 3.9x45 mm sheet metal screws
7. Insulation material mineral wool
8. The joint between the cement boards filled with the Cementex joint filler with the Cementex reinforcement tape
9. Nida acoustic insulation tape width 50 / 70 / 95 mm
10. Nida PWA vibro-acoustic lacing, spacing ≤1000 mm



THE ACOUSTIC PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (NIDA PWA)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation [3]			Weight of encase-ment	Fire resistance class [2]	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{Al} [dB]	R_{Aw} [dB]	[kg]	[min]	ETAG 003 class	
145B50-PWA/Cementex	C50+C50	Cementex	2x10,0	2x50	15,0	50	30,0	5500	67	63	56	61,0	(R)EI120	IV	●
153B50-PWA/Cementex	C50+C50	Cementex	2x12,0	2x50	15,0	50	30,0	5500	67	63	56	72,0	(R)EI120	IV	●
195B75-PWA/Cementex	C75+C75	Cementex	2x10,0	2x75	15,0	50	30,0	6200	71	67	60	61,0	(R)EI120	IV	●
203B75-PWA/Cementex	C75+C75	Cementex	2x12,0	2x75	15,0	50	30,0	6200	71	67	60	72,0	(R)EI120	IV	●
245B100-PWA/Cementex	C100+C100	Cementex	2x10,0	2x100	15,0	50	30,0	6500	74	70	64	62,0	(R)EI120	IV	●
253B100-PWA/Cementex	C100+C100	Cementex	2x12,0	2x100	15,0	50	30,0	6500	74	70	64	73,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 1060/12/R48NK.
[2] Classification report LBO-1377-K/19.
[3] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		145B50-PWA/ Cementex	153B50-PWA/ Cementex	195B75-PWA/ Cementex	203B75-PWA/ Cementex	245B100-PWA/ Cementex	253B100-PWA/ Cementex
		Consumption of material per 1 m²					
Cementex 10,0 mm cement board	m²	4,0	-	4,0	-	4,0	-
Cementex 12,0 mm cement board	m²	-	4,0	-	4,0	-	4,0
Nida C50 profile Hydro C5 [4]	lm	3,6	3,6	-	-	-	-
Nida C75 profile Hydro C5 [4]	lm	-	-	3,6	3,6	-	-
Nida C100 profile Hydro C5 [4]	lm	-	-	-	-	3,6	3,6
Nida U50 profile Hydro C5 [4]	lm	1,4	1,4	-	-	-	-
Nida U75 profile Hydro C5 [4]	lm	-	-	1,4	1,4	-	-
Nida U100 profile Hydro C5 [4]	lm	-	-	-	-	1,4	1,4
Nida PWA50 vibro-acoustic lacing	pcs.	1,1	1,1	-	-	-	-
Nida PWA75 vibro-acoustic lacing	pcs.	-	-	1,1	1,1	-	-
Nida PWA100 vibro-acoustic lacing	pcs.	-	-	-	-	1,1	1,1
Anchoring element [5]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8
Nida 3.5x45 mm sheet metal screws	pcs.	7,0	7,0	7,0	7,0	7,0	7,0
Cementex 3.9x35 mm sheet metal screws	pcs.	8,0	8,0	8,0	8,0	8,0	8,0
Cementex 3.9x45 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Cementex reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	2,4	2,4	2,4	2,4	2,4	2,4
Cementex joint filler	kg	1,4	1,4	1,4	1,4	1,4	1,4
Mineral wool [6]	m²	2,0	2,0	2,0	2,0	2,0	2,0

[4] In the case of a lower level of corrosiveness environment, it is allowed to use Nida Hydro C3 class profiles.
[5] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[6] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Ściana

Fire resistance class: **(R)EI120**

Maximum acoustic insulation: **63 dB**

Maximum encasement height: **6500 mm**

Weight of 1 m² of encasement: **61,0-73,0 kg**

Number of related document: **Fire classification**

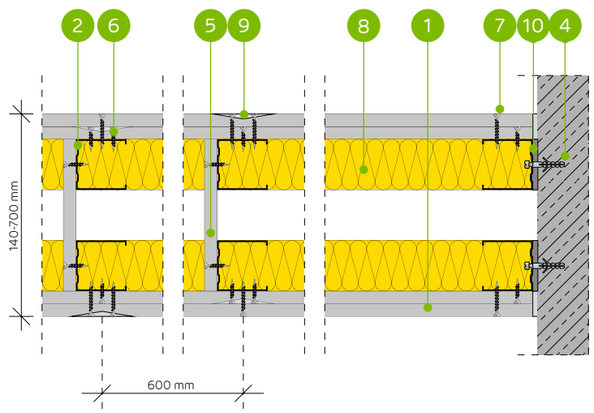
Classification report: LBO-1377-K/19

SYSTEMS:

140C50; 148C50; 190C75; 198C75; 240C100; 248C100

MATERIALS:

1. Cementex cement board
2. Nida C50 / C75 / C100 Hydro C5 profile
3. Nida U50 / U75 / U100 Hydro C5 profile
4. Anchoring element
5. Lacing of board, height 300 mm, min. 2 pcs. per post (max. spacing 1500 mm)
6. Cementex 3.9x35 mm sheet metal screws
7. Cementex 3.9x45 mm sheet metal screws
8. Insulation material mineral wool
9. The joint between the cement boards filled with the Cementex joint filler with the Cementex reinforcement tape
10. Nida acoustic insulation tape width 50/70/95 mm



THE PARTITION WALL SYSTEM BASED ON DOUBLE-ROW STRUCTURES OF THE NIDA C50, C75, C100 PROFILES (INSTALLATION WALLS)

TECHNICAL PARAMETERS

System type Nida Ściana [2]	Frame structure	Sheathing of plasterboards		Insulation material				Maximum wall height - h [1]	Acoustic insulation [3]			Weight of encase-ment	Fire resistance class [2]	Utilisation category	Special system
				In terms of acoustic insulation		In terms of fire resistance		Within the range of the fire resistance							
	Nida	Nida	Thickness [mm]	[mm]	Density [kg/m³]	[mm]	Density [kg/m³]	[mm]	Rw [dB]	R_{A1} [dB]	R_{A2} [dB]	[kg]	[min]	ETAG 003 class	
140C50/Cementex	C50+C50	Cementex	2x10,0	2x50	15,0	50	30,0	4500	61	59	53	61,0	(R)EI120	IV	●
148C50/Cementex	C50+C50	Cementex	2x12,0	2x50	15,0	50	30,0	4500	61	59	53	72,0	(R)EI120	IV	●
190C75/Cementex	C75+C75	Cementex	2x10,0	2x75	15,0	50	30,0	6000	63	60	56	61,0	(R)EI120	IV	●
198C75/Cementex	C75+C75	Cementex	2x12,0	2x75	15,0	50	30,0	6000	63	60	56	72,0	(R)EI120	IV	●
240C100/Cementex	C100+C100	Cementex	2x10,0	2x100	15,0	50	30,0	6500	63	61	58	62,0	(R)EI120	IV	●
248C100/Cementex	C100+C100	Cementex	2x12,0	2x100	15,0	50	30,0	6500	63	61	58	73,0	(R)EI120	IV	●

[1] The maximum height acc. to technical opinion ITB 01060/21/R164NZK – part 1.
[2] Classification report LBO-1377-K/19.
[3] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
The fire protective partition wall systems constructed according to the Siniat technology act as fire partitioning elements with fire exposition from both the sides. It is acceptable to construct penetrations in the partition walls constructed according to this Siniat technology, they should be sealed / protected with fire protective materials, acc. to the recommendations of the manufacturers of those fire protective materials, e.g. PROMAT company.

CONSUMPTION OF MATERIALS PER 1M² FOR THE PARTITION WALLS CONSTRUCTED ACCORDING TO THE NIDA ŚCIANA SYSTEM

Material name	UM	System type Nida Ściana					
		140C50/Cementex	148C50/Cementex	190C75/Cementex	198C75/Cementex	240C100/Cementex	248C100/Cementex
		Consumption of material per 1 m²					
Cementex 10,0 mm cement board	m²	4,0	-	4,0	-	4,0	-
Cementex 12,0 mm cement board	m²	-	4,0	-	4,0	-	4,0
Nida C50 profile Hydro C5 [4]	lm	3,6	3,6	-	-	-	-
Nida C75 profile Hydro C5 [4]	lm	-	-	3,6	3,6	-	-
Nida C100 profile Hydro C5 [4]	lm	-	-	-	-	3,6	3,6
Nida U50 profile Hydro C5 [4]	lm	1,4	1,4	-	-	-	-
Nida U75 profile Hydro C5 [4]	lm	-	-	1,4	1,4	-	-
Nida U100 profile Hydro C5 [4]	lm	-	-	-	-	1,4	1,4
Anchoring element [5]	pcs.	1,8	1,8	1,8	1,8	1,8	1,8
Cementex 3.9x35 mm sheet metal screws	pcs.	14,0	14,0	14,0	14,0	14,0	14,0
Cementex 3.9x45 mm sheet metal screws	pcs.	24,0	24,0	24,0	24,0	24,0	24,0
Cementex reinforcement tape	lm	2,8	2,8	2,8	2,8	2,8	2,8
Acoustic insulation tape	lm	1,2	1,2	1,2	1,2	1,2	1,2
Cementex joint filler	kg	1,4	1,4	1,4	1,4	1,4	1,4
Mineral wool [6]	m²	2,0	2,0	2,0	2,0	2,0	2,0

[4] In the case of a lower level of corrosiveness environment, it is allowed to use Nida Hydro C3 class profiles.
[5] The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.
[5] Application acc. to the requirements. When the utilised insulation material thickness and/or their bulk density is different from the stated in the technical specification (Nida Drywall Encasement System - catalogue of solutions), contact with an appropriate Siniat technical advisor is required (detailed map of regional subdivision is available at the end of this catalogue).
The standards concerning the amount of utilised material do not cover the loss of the material.