encasements for **vertical shafts**

The service riser encasement systems are utilised mainly to mask those risers which can be found in any building, regardless of their function and purpose. Owing to the possibility of transfer of smoke, or fire from a floor which is on fire to other floors of a building, the service risers which usually pass through all the floors of a building must be properly protected. For this purpose, the systems based on the Nida Ogień Plus (Type DF), or Nida Woda Ogień Plus (Type DFH2), of thickness 12.5 mm, 15 mm, 20 mm, or 25 mm, which are fixed to intermediate load-bearing structures constructed of the Nida C metal profiles, or directly to the walls and floors of a room, without a load-bearing structure, are provided. The encasement systems for service risers constructed with utilisation of the Nida plasterboards provide protection against spread of fire up to the EI 120 Fire resistance class. The provided acoustic protection against the noises coming from the inside of the risers resulting from e.g. air flow, sewage system, or vibrations of the installation, can be treated as an additional function.

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Page	Nida Szacht system name	Sheathing of plasterboards: Nida	Thickness [mm]	Marking acc. to standard	Load-bearing structure: Type of Nida profile	Axial spacing between Nida profiles [mm]	Insulation material: Within the range of the acoustic insulation: Mineral wool	Thickness [mm]	Density [kg/m³]	Maximum height [1] [mm]	Acoustic insulation: Rw [dB]	Ra1 [dB]	Ra2 [dB]	Weight of 1m² of encasement [kg]	Fire resistance class [2] [min]	Special system
THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C50 LOAD-BEARING STRUCTURE																
1015	62,5A50/Expert	Expert	12,5	A	C50	600	glass wool/rock wool	50	12	3000	34	32	28	11,0	-	-
1015	62,5A50/Woda [2]	Woda	12,5	H2	C50	600	glass wool/rock wool	50	12	3000	34	32	28	11,0	-	-
1015	62,5A50/Ogień+	Ogień Plus	12,5	DF	C50	600	glass wool/rock wool	50	12	3000	36	34	30	13,0	-	-
1015	62,5A50/WodaOgień+	Woda Ogień Plus	12,5	DFH2	C50	600	glass wool/rock wool	50	12	3000	36	34	30	13,0	-	-
1015	62,5A50/Cicha	Cicha	12,5	DFH1IR	C50	600	glass wool/rock wool	50	12	3000	36	34	30	16,0	-	●
1015	62,5A50/Twarda	Twarda	12,5	DEFH1IR	C50	600	glass wool/rock wool	50	12	3000	36	34	30	16,0	-	●
1015	62,5A50/Hydro	Hydro	12,5	GMFH1I	C50	600	glass wool/rock wool	50	12	3000	36	34	30	14,0	-	●
1015	65A50/Ogień+	Ogień Plus	15	DF	C50	600	glass wool/rock wool	50	12	3000	36	34	30	16,0	-	-
1015	65A50/Twarda	Twarda	15	DEFH1IR	C50	600	glass wool/rock wool	50	12	3000	36	34	30	18,0	-	●
1015	65A50/Hydro	Hydro	15	GMFH1I	C50	600	glass wool/rock wool	50	12	3000	36	34	30	16,0	-	●
1017	75A50/Expert	Expert	2x12,5	A	C50	600	glass wool/rock wool	50	12	2800	37	35	31	19,0	-	-
1017	75A50/Woda [3]	Woda	2x12,5	H2	C50	600	glass wool/rock wool	50	12	2800	37	35	31	19,0	-	-
1017	75A50/OgieńTypF	Ogień Typ F	2x12,5	F	C50	600	glass wool/rock wool	50	12	2800	37	35	31	20,0	(R)EI30	-
1017	75A50/Ogień+	Ogień Plus	2x12,5	DF	C50	600	glass wool/rock wool	50	12	2800	40	38	35	23,0	(R)EI30	-
1017	75A50/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	C50	600	glass wool/rock wool	50	12	2800	40	38	35	23,0	(R)EI30	-
1017	75A50/Cicha	Cicha	2x12,5	DFH1IR	C50	600	glass wool/rock wool	50	12	2800	40	38	35	28,0	(R)EI30	●
1017	75A50/Twarda	Twarda	2x12,5	DEFH1IR	C50	600	glass wool/rock wool	50	12	2800	40	38	35	28,0	(R)EI30	●
1017	75A50/Hydro	Hydro	2x12,5	GMFH1I	C50	600	glass wool/rock wool	50	12	2800	40	38	35	24,0	(R)EI30	●
1017	77,5A50/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	C50	600	glass wool/rock wool	50	12	3000	40	38	35	27,0	(R)EI60	-
1017	80A50/Ogień+	Ogień Plus	2x15,0	DF	C50	600	glass wool/rock wool	50	12	3000	41	40	37	30,0	(R)EI60	-
1017	80A50/Twarda	Twarda	2x15,0	DEFH1IR	C50	600	glass wool/rock wool	50	12	3000	41	40	37	33,0	(R)EI60	●
1017	80A50/Hydro	Hydro	2x15,0	GMFH1I	C50	600	glass wool/rock wool	50	12	3000	41	40	37	30,0	(R)EI60	●
1019	87,5A50/Ogień+	Ogień Plus	3x12,5	DF	C50	600	glass wool/rock wool	50	12	3000	41	40	37	33,0	(R)EI60	-
1019	87,5A50/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	C50	600	glass wool/rock wool	50	12	3000	41	40	37	33,0	(R)EI60	-
1019	87,5A50/Cicha	Cicha	3x12,5	DFH1IR	C50	600	glass wool/rock wool	50	12	3000	41	40	37	41,0	(R)EI60	●
1019	87,5A50/Twarda	Twarda	3x12,5	DEFH1IR	C50	600	glass wool/rock wool	50	12	3000	41	40	37	41,0	(R)EI60	●
1019	87,5A50/Hydro	Hydro	3x12,5	GMFH1I	C50	600	glass wool/rock wool	50	12	3000	41	40	37	35,0	(R)EI60	●
1019	95A50/Ogień+ [5]	Ogień Plus	3x15,0	DF	C50	600	glass wool/rock wool	50	12	3000	41	40	37	43,0	(R)EI120	-
1019	95A50/WodaOgień+ [5]	Woda Ogień Plus	3x15,0	DFH2	C50	600	glass wool/rock wool	50	12	3000	41	40	37	43,0	(R)EI120	-
1021	100A50/Ogień+	Ogień Plus	4x12,5	DF	C50	600	glass wool/rock wool	50	14	3250	41	40	38	43,0	(R)EI90	-
1021	100A50/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	C50	600	glass wool/rock wool	50	14	3250	41	40	38	43,0	(R)EI90	-
1021	100A50/Cicha	Cicha	4x12,5	DFH1IR	C50	600	glass wool/rock wool	50	14	3250	41	40	38	54,0	(R)EI90	●
1021	100A50/Twarda	Twarda	4x12,5	DEFH1IR	C50	600	glass wool/rock wool	50	14	3250	41	40	38	54,0	(R)EI90	●
1021	100A50/Hydro	Hydro	4x12,5	GMFH1I	C50	600	glass wool/rock wool	50	14	3250	41	40	38	46,0	(R)EI90	●
1021	105A50/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	C50	600	glass wool/rock wool	50	14	3250	41	40	38	50,0	(R)EI120	-
1021	110A50/Ogień+	Ogień Plus	4x15,0	DF	C50	600	glass wool/rock wool	50	14	3500	42	41	39	57,0	(R)EI120	-
1021	110A50/Twarda	Twarda	4x15,0	DEFH1IR	C50	600	glass wool/rock wool	50	14	3500	42	41	39	65,0	(R)EI120	●
1021	110A50/Hydro	Hydro	4x15,0	GMFH1I	C50	600	glass wool/rock wool	50	14	3500	42	41	39	57,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.
[5] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

Page	Nida Szacht system name	Sheathing of plasterboards: Nida	Thickness [mm]	Marking acc. to standard	Load-bearing structure: Type of Nida profile	Axial spacing between Nida profiles [mm]	Insulation material: Within the range of the acoustic insulation: Mineral wool	Thickness [mm]	Density [kg/m³]	Maximum height [1] [mm]	Acoustic insulation: Rw [dB]	Ra1 [dB]	Ra2 [dB]	Weight of 1m² of encasement [kg]	Fire resistance class [2] [min]	Special system
THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C75 LOAD-BEARING STRUCTURE																
1023	87,5A75/Expert	Expert	12,5	A	C75	600	glass wool/rock wool	50	12	4000	34	32	28	11,0	-	-
1023	87,5A75/Woda [2]	Woda	12,5	H2	C75	600	glass wool/rock wool	50	12	4000	34	32	28	11,0	-	-
1023	87,5A75/Ogień+	Ogień Plus	12,5	DF	C75	600	glass wool/rock wool	50	12	4000	36	34	30	13,0	-	-
1023	87,5A75/WodaOgień+	Woda Ogień Plus	12,5	DFH2	C75	600	glass wool/rock wool	50	12	4000	36	34	30	13,0	-	-
1023	87,5A75/Cicha	Cicha	12,5	DFH1IR	C75	600	glass wool/rock wool	50	12	4000	36	34	30	16,0	-	●
1023	87,5A75/Twarda	Twarda	12,5	DEFH1IR	C75	600	glass wool/rock wool	50	12	4000	36	34	30	16,0	-	●
1023	87,5A75/Hydro	Hydro	12,5	GMFH1I	C75	600	glass wool/rock wool	50	12	4000	36	34	30	14,0	-	●
1023	90A75/Ogień+	Ogień Plus	15	DF	C75	600	glass wool/rock wool	50	12	4000	36	34	30	16,0	-	-
1023	90A75/Twarda	Twarda	15	DEFH1IR	C75	600	glass wool/rock wool	50	12	4000	36	34	30	18,0	-	●
1023	90A75/Hydro	Hydro	15	GMFH1I	C75	600	glass wool/rock wool	50	12	4000	36	34	30	16,0	-	●
1025	100A75/Expert	Expert	2x12,5	A	C75	600	glass wool/rock wool	50	12	3500	37	35	31	19,0	-	-
1025	100A75/Woda [3]	Woda	2x12,5	H2	C75	600	glass wool/rock wool	50	12	3500	37	35	31	19,0	-	-
1025	100A75/OgieńTypF	Ogień Typ F	2x12,5	F	C75	600	glass wool/rock wool	50	12	4000	37	35	31	20,0	(R)EI30	-
1025	100A75/Ogień+	Ogień Plus	2x12,5	DF	C75	600	glass wool/rock wool	50	12	3500	40	38	35	23,0	(R)EI30	-
1025	100A75/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	C75	600	glass wool/rock wool	50	12	3500	40	38	35	23,0	(R)EI30	-
1025	100A75/Cicha	Cicha	2x12,5	DFH1IR	C75	600	glass wool/rock wool	50	12	3500	40	38	35	28,0	(R)EI30	●
1025	100A75/Twarda	Twarda	2x12,5	DEFH1IR	C75	600	glass wool/rock wool	50	12	3500	40	38	35	28,0	(R)EI30	●
1025	100A75/Hydro	Hydro	2x12,5	GMFH1I	C75	600	glass wool/rock wool	50	12	3500	40	38	35	24,0	(R)EI30	●
1025	102,5A75/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	C75	600	glass wool/rock wool	50	12	4000	40	38	35	27,0	(R)EI60	-
1025	105A75/Ogień+	Ogień Plus	2x15,0	DF	C75	600	glass wool/rock wool	50	12	4000	41	40	37	30,0	(R)EI60	-
1025	105A75/Twarda	Twarda	2x15,0	DEFH1IR	C75	600	glass wool/rock wool	50	12	4000	41	40	37	33,0	(R)EI60	●
1025	105A75/Hydro	Hydro	2x15,0	GMFH1I	C75	600	glass wool/rock wool	50	12	4000	41	40	37	30,0	(R)EI60	●
1027	112,5A75/Ogień+	Ogień Plus	3x12,5	DF	C75	600	glass wool/rock wool	50	12	4000	41	40	37	33,0	(R)EI60	-
1027	112,5A75/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	C75	600	glass wool/rock wool	50	12	4000	41	40	37	33,0	(R)EI60	-
1027	112,5A75/Cicha	Cicha	3x12,5	DFH1IR	C75	600	glass wool/rock wool	50	12	4000	41	40	37	41,0	(R)EI60	●
1027	112,5A75/Twarda	Twarda	3x12,5	DEFH1IR	C75	600	glass wool/rock wool	50	12	4000	41	40	37	41,0	(R)EI60	●
1027	112,5A75/Hydro	Hydro	3x12,5	GMFH1I	C75	600	glass wool/rock wool	50	12	4000	41	40	37	35,0	(R)EI60	●
1027	120A75/Ogień+ [5]	Ogień Plus	3x15,0	DF	C75	600	glass wool/rock wool	50	12	4000	41	40	37	43,0	(R)EI120	-
1027	120A75/WodaOgień+ [5]	Woda Ogień Plus	3x15,0	DFH2	C75	600	glass wool/rock wool	50	12	4000	41	40	37	43,0	(R)EI120	-
1029	125A75/Ogień+	Ogień Plus	4x12,5	DF	C75	600	glass wool/rock wool	75	14	4250	43	41	38	43,0	(R)EI90	-
1029	125A75/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	C75	600	glass wool/rock wool	75	14	4250	43	41	38	43,0	(R)EI90	-
1029	125A75/Cicha	Cicha	4x12,5	DFH1IR	C75	600	glass wool/rock wool	75	14	4250	43	41	38	54,0	(R)EI90	●
1029	125A75/Twarda	Twarda	4x12,5	DEFH1IR	C75	600	glass wool/rock wool	75	14	4250	43	41	38	54,0	(R)EI90	●
1029	125A75/Hydro	Hydro	4x12,5	GMFH1I	C75	600	glass wool/rock wool	75	14	4250	43	41	38	46,0	(R)EI90	●
1029	130A75/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	C75	600	glass wool/rock wool	75	14	4250	43	41	38	50,0	(R)EI120	-
1029	135A75/Ogień+	Ogień Plus	4x15,0	DF	C75	600	glass wool/rock wool	75	14	4500	44	42	40	57,0	(R)EI120	-
1029	135A75/Twarda	Twarda	4x15,0	DEFH1IR	C75	600	glass wool/rock wool	75	14	4500	44	42	40	65,0	(R)EI120	●
1029	135A75/Hydro	Hydro	4x15,0	GMFH1I	C75	600	glass wool/rock wool	75	14	4500	44	42	40	57,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.
[5] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

Page	Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Type of Nida profile	Axial spacing between Nida profiles [mm]	Within the range of the acoustic insulation: Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C100 LOAD-BEARING STRUCTURE																
1031	112,5A100/Expert	Expert	12,5	A	C100	600	glass wool/rock wool	50	12	5000	34	32	28	12,0	-	-
1031	112,5A100/Woda [2]	Woda	12,5	H2	C100	600	glass wool/rock wool	50	12	5000	34	32	28	12,0	-	-
1031	112,5A100/Ogień+	Ogień Plus	12,5	DF	C100	600	glass wool/rock wool	50	12	5000	36	34	30	14,0	-	-
1031	112,5A100/WodaOgień+	Woda Ogień Plus	12,5	DFH2	C100	600	glass wool/rock wool	50	12	5000	36	34	30	14,0	-	-
1031	112,5A100/Cicha	Cicha	12,5	DFH1IR	C100	600	glass wool/rock wool	50	12	5000	36	34	30	17,0	-	●
1031	112,5A100/Twarda	Twarda	12,5	DEFH1IR	C100	600	glass wool/rock wool	50	12	5000	36	34	30	17,0	-	●
1031	112,5A100/Hydro	Hydro	12,5	GMFH1I	C100	600	glass wool/rock wool	50	12	5000	36	34	30	15,0	-	●
1031	115A100/Ogień+	Ogień Plus	15	DF	C100	600	glass wool/rock wool	50	12	5000	36	34	30	17,0	-	-
1031	115A100/Twarda	Twarda	15	DEFH1IR	C100	600	glass wool/rock wool	50	12	5000	36	34	30	19,0	-	●
1031	115A100/Hydro	Hydro	15	GMFH1I	C100	600	glass wool/rock wool	50	12	5000	36	34	30	17,0	-	●
1033	125A100/Expert	Expert	2x12,5	A	C100	600	glass wool/rock wool	50	12	4500	37	35	31	20,0	-	-
1033	125A100/Woda [3]	Woda	2x12,5	H2	C100	600	glass wool/rock wool	50	12	4500	37	35	31	20,0	-	-
1033	125A100/OgieńTypF	Ogień Typ F	2x12,5	F	C100	600	glass wool/rock wool	50	12	5000	37	35	31	21,0	(R)EI30	-
1033	125A100/Ogień+	Ogień Plus	2x12,5	DF	C100	600	glass wool/rock wool	50	12	4500	40	38	35	24,0	(R)EI30	-
1033	125A100/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	C100	600	glass wool/rock wool	50	12	4500	40	38	35	24,0	(R)EI30	-
1033	125A100/Cicha	Cicha	2x12,5	DFH1IR	C100	600	glass wool/rock wool	50	12	4500	40	38	35	29,0	(R)EI30	●
1033	125A100/Twarda	Twarda	2x12,5	DEFH1IR	C100	600	glass wool/rock wool	50	12	4500	40	38	35	29,0	(R)EI30	●
1033	125A100/Hydro	Hydro	2x12,5	GMFH1I	C100	600	glass wool/rock wool	50	12	4500	40	38	35	25,0	(R)EI30	●
1033	127,5A100/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	C100	600	glass wool/rock wool	50	12	5000	40	38	35	28,0	(R)EI60	-
1033	130A100/Ogień+	Ogień Plus	2x15,0	DF	C100	600	glass wool/rock wool	50	12	5000	41	40	37	31,0	(R)EI60	-
1033	130A100/Twarda	Twarda	2x15,0	DEFH1IR	C100	600	glass wool/rock wool	50	12	5000	41	40	37	34,0	(R)EI60	●
1033	130A100/Hydro	Hydro	2x15,0	GMFH1I	C100	600	glass wool/rock wool	50	12	5000	41	40	37	31,0	(R)EI60	●
1035	137,5A100/Ogień+	Ogień Plus	3x12,5	DF	C100	600	glass wool/rock wool	100	12	5000	45	44	39	34,0	(R)EI60	-
1035	137,5A100/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	C100	600	glass wool/rock wool	100	12	5000	45	44	39	34,0	(R)EI60	-
1035	137,5A100/Cicha	Cicha	3x12,5	DFH1IR	C100	600	glass wool/rock wool	100	12	5000	45	44	39	42,0	(R)EI60	●
1035	137,5A100/Twarda	Twarda	3x12,5	DEFH1IR	C100	600	glass wool/rock wool	100	12	5000	45	44	39	42,0	(R)EI60	●
1035	137,5A100/Hydro	Hydro	3x12,5	GMFH1I	C100	600	glass wool/rock wool	100	12	5000	45	44	39	36,0	(R)EI60	●
1035	145A100/Ogień+ [5]	Ogień Plus	3x15,0	DF	C100	600	glass wool/rock wool	100	12	5000	45	44	39	44,0	(R)EI120	-
1035	145A100/WodaOgień+ [5]	Woda Ogień Plus	3x15,0	DFH2	C100	600	glass wool/rock wool	100	12	5000	45	44	39	44,0	(R)EI120	-
1037	150A100/Ogień+	Ogień Plus	4x12,5	DF	C100	600	glass wool/rock wool	100	14	5000	44	42	39	44,0	(R)EI90	-
1037	150A100/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	C100	600	glass wool/rock wool	100	14	5000	44	42	39	44,0	(R)EI90	-
1037	150A100/Cicha	Cicha	4x12,5	DFH1IR	C100	600	glass wool/rock wool	100	14	5000	44	42	39	55,0	(R)EI90	●
1037	150A100/Twarda	Twarda	4x12,5	DEFH1IR	C100	600	glass wool/rock wool	100	14	5000	44	42	39	55,0	(R)EI90	●
1037	150A100/Hydro	Hydro	4x12,5	GMFH1I	C100	600	glass wool/rock wool	100	14	5000	44	42	39	47,0	(R)EI90	●
1037	155A100/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	C100	600	glass wool/rock wool	100	14	5000	44	42	39	51,0	(R)EI120	-
1037	160A100/Ogień+	Ogień Plus	4x15,0	DF	C100	600	glass wool/rock wool	100	14	5500	45	44	40	58,0	(R)EI120	-
1037	160A100/Twarda	Twarda	4x15,0	DEFH1IR	C100	600	glass wool/rock wool	100	14	5500	45	44	40	66,0	(R)EI120	●
1037	160A100/Hydro	Hydro	4x15,0	GMFH1I	C100	600	glass wool/rock wool	100	14	5500	45	44	40	58,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.
[5] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

Page	Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Type of Nida profile	Axial spacing between Nida profiles [mm]	Within the range of the acoustic insulation: Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA CC50, CC75, CC100 LOAD-BEARING STRUCTURE																
1039	80AA50/Ogień+	Ogień Plus	2x15,0	DF	2xC50	600	optional	-	-	5500	-	-	-	31,0	(R)EI60	-
1039	80AA50/Twarda	Twarda	2x15,0	DEFH1IR	2xC50	600	optional	-	-	5500	-	-	-	34,0	(R)EI60	●
1039	80AA50/Hydro	Hydro	2x15,0	GMFH1I	2xC50	600	optional	-	-	5500	-	-	-	31,0	(R)EI60	●
1039	105AA75/Ogień+	Ogień Plus	2x15,0	DF	2xC75	600	optional	-	-	6000	-	-	-	31,0	(R)EI60	-
1039	105AA75/Twarda	Twarda	2x15,0	DEFH1IR	2xC75	600	optional	-	-	6000	-	-	-	34,0	(R)EI60	●
1039	105AA75/Hydro	Hydro	2x15,0	GMFH1I	2xC75	600	optional	-	-	6000	-	-	-	31,0	(R)EI60	●
1039	130AA100/Ogień+	Ogień Plus	2x15,0	DF	2xC100	600	optional	-	-	6500	-	-	-	32,0	(R)EI60	-
1039	130AA100/Twarda	Twarda	2x15,0	DEFH1IR	2xC100	600	optional	-	-	6500	-	-	-	35,0	(R)EI60	●
1039	130AA100/Hydro	Hydro	2x15,0	GMFH1I	2xC100	600	optional	-	-	6500	-	-	-	32,0	(R)EI60	●
1041	87,5AA50/Ogień+ [3]	Ogień Plus	3x12,5	DF	2xC50	600	optional	-	-	5500	-	-	-	33,0	(R)EI60	-
1041	87,5AA50/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	2xC50	600	optional	-	-	5500	-	-	-	33,0	(R)EI60	-
1041	87,5AA50/Twarda	Twarda	3x12,5	DEFH1IR	2xC50	600	optional	-	-	5500	-	-	-	41,0	(R)EI60	●
1041	87,5AA50/Hydro	Hydro	3x12,5	GMFH1I	2xC50	600	optional	-	-	5500	-	-	-	35,0	(R)EI60	●
1041	112,5AA75/Ogień+ [3]	Ogień Plus	3x12,5	DF	2xC75	600	optional	-	-	6000	-	-	-	33,0	(R)EI60	-
1041	112,5AA75/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	2xC75	600	optional	-	-	6000	-	-	-	33,0	(R)EI60	-
1041	112,5AA75/Twarda	Twarda	3x12,5	DEFH1IR	2xC75	600	optional	-	-	6000	-	-	-	41,0	(R)EI60	●
1041	112,5AA75/Hydro	Hydro	3x12,5	GMFH1I	2xC75	600	optional	-	-	6000	-	-	-	35,0	(R)EI60	●
1041	137,5AA100/Ogień+ [3]	Ogień Plus	3x12,5	DF	2xC100	600	optional	-	-	6500	-	-	-	34,0	(R)EI60	-
1041	137,5AA100/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	2xC100	600	optional	-	-	6500	-	-	-	34,0	(R)EI60	-
1041	137,5AA100/Twarda	Twarda	3x12,5	DEFH1IR	2xC100	600	optional	-	-	6500	-	-	-	42,0	(R)EI60	●
1041	137,5AA100/Hydro	Hydro	3x12,5	GMFH1I	2xC100	600	optional	-	-	6500	-	-	-	36,0	(R)EI60	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] Replacement with the NIDA Cicha type DFH1IR plasterboard is acceptable. When such replacement takes place, the screws for the Nida Twarda boards should be utilised.

Page	Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure			Insulation material				Maximum height [1]	Acoustic insulation [2]			Weight of 1m² of encasement	Fire resistance class [3]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Type of Nida profile	Auxiliary Nida profile type	Axial spacing between Nida profiles	Within the range of the acoustic insulation i ogniowej										
							[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]		
THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UU75, UU100 LOAD-BEARING STRUCTURE																		
1043	87,5UU75/Ogień+	Ogień Plus	1x12,5 + 1x12,5	DF	2xU75	2xUD27	600	rock wool	50	29	5210	43	39	32	26.0	(R)EI60	●
1043	87,5UU75/WodaOgień+	Woda Ogień Plus	1x12,5 + 1x12,5	DFH2	2xU75	2xUD27	600	rock wool	50	29	5210	43	39	32	26.0	(R)EI60	●
1043	87,5UU75/Twarda	Twarda	1x12,5 + 1x12,5	DEFH1IR	2xU75	2xUD27	600	rock wool	50	29	5210	46	42	35	31.0	(R)EI60	●
1043	87,5UU75/Hydro	Hydro	1x12,5 + 1x12,5	GMFH1I	2xU75	2xUD27	600	rock wool	50	29	5210	44	39	32	27.0	(R)EI60	●
1043	100UU75/Ogień+	Ogień Plus	1x12,5 + 2x12,5	DF	2xU75	2xUD27	600	rock wool	50	29	5400	48	44	36	37.0	(R)EI90	●
1043	100UU75/WodaOgień+	Woda Ogień Plus	1x12,5 + 2x12,5	DFH2	2xU75	2xUD27	600	rock wool	50	29	5400	48	44	36	37.0	(R)EI90	●
1043	100UU75/Twarda	Twarda	1x12,5 + 2x12,5	DEFH1IR	2xU75	2xUD27	600	rock wool	50	29	5400	52	48	41	44.0	(R)EI90	●
1043	100UU75/Hydro	Hydro	1x12,5 + 2x12,5	GMFH1I	2xU75	2xUD27	600	rock wool	50	29	5400	49	45	37	38.0	(R)EI90	●
1045	112,5UU100/Ogień+	Ogień Plus	1x12,5 + 1x12,5	DF	2xU100	2xUD27	600	rock wool	50	29	6420	45	40	33	27.0	(R)EI60	●
1045	112,5UU100/WodaOgień+	Woda Ogień Plus	1x12,5 + 1x12,5	DFH2	2xU100	2xUD27	600	rock wool	50	29	6420	45	40	33	27.0	(R)EI60	●
1045	112,5UU100/Twarda	Twarda	1x12,5 + 1x12,5	DEFH1IR	2xU100	2xUD27	600	rock wool	50	29	6420	49	45	38	32.0	(R)EI60	●
1045	112,5UU100/Hydro	Hydro	1x12,5 + 1x12,5	GMFH1I	2xU100	2xUD27	600	rock wool	50	29	6420	46	42	35	28.0	(R)EI60	●
1045	125UU100/Ogień+	Ogień Plus	1x12,5 + 2x12,5	DF	2xU100	2xUD27	600	rock wool	50	29	6500	50	46	39	38.0	(R)EI90	●
1045	125UU100/WodaOgień+	Woda Ogień Plus	1x12,5 + 2x12,5	DFH2	2xU100	2xUD27	600	rock wool	50	29	6500	50	46	39	38.0	(R)EI90	●
1045	125UU100/Twarda	Twarda	1x12,5 + 2x12,5	DEFH1IR	2xU100	2xUD27	600	rock wool	50	29	6500	54	51	44	45.0	(R)EI90	●
1045	125UU100/Hydro	Hydro	1x12,5 + 2x12,5	GMFH1I	2xU100	2xUD27	600	rock wool	50	29	6500	51	48	41	39.0	(R)EI90	●
1047	100UU75/Expert	Expert	2x12,5 + 2x12,5	A	2xU75	2xUD27	600	glass wool/ rock wool	50	10	6000	47	43	35	40.0	-	-
1047	100UU75/Woda	Woda	2x12,5 + 2x12,5	H2	2xU75	2xUD27	600	glass wool/ rock wool	50	10	6000	47	43	35	40.0	-	-
1047	105UU75/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	2xU75	2xUD27	600	rock wool	50	15	6000	51	47	39	55.0	(R)EI90	●
1047	105UU75/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	2xU75	2xUD27	600	rock wool	50	50	6000	54	50	42	55.0	(R)EI120	●
1047	105UU75/WodaOgień+	Woda Ogień Plus	2x12,5 + 2x15,0	DFH2	2xU75	2xUD27	600	rock wool	50	50	6000	54	50	42	55.0	(R)EI120	●
1047	105UU75/Twarda	Twarda	2x12,5 + 2x15,0	DEFH1IR	2xU75	2xUD27	600	rock wool	50	50	6000	59	55	47	65.0	(R)EI120	●
1047	105UU75/Hydro	Hydro	2x12,5 + 2x15,0	GMFH1I	2xU75	2xUD27	600	rock wool	50	50	6000	56	51	44	56,5	(R)EI120	●
1049	125UU100/Expert	Expert	2x12,5 + 2x12,5	A	2xU100	2xUD27	600	glass wool/ rock wool	50	10	6000	50	46	39	40.0	-	-
1049	125UU100/Woda	Woda	2x12,5 + 2x12,5	H2	2xU100	2xUD27	600	glass wool/ rock wool	50	10	6000	50	46	39	40.0	-	-
1049	130UU100/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	2xU100	2xUD27	600	rock wool	50	15	6000	54	50	44	55.0	(R)EI90	●
1049	130UU100/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	2xU100	2xUD27	600	rock wool	50	50	6000	56	53	46	55.0	(R)EI120	●
1049	130UU100/WodaOgień+	Woda Ogień Plus	2x12,5 + 2x15,0	DFH2	2xU100	2xUD27	600	rock wool	50	50	6000	56	53	46	55.0	(R)EI120	●
1049	130UU100/Twarda	Twarda	2x12,5 + 2x15,0	DEFH1IR	2xU100	2xUD27	600	rock wool	50	50	6000	60	58	51	65.0	(R)EI120	●
1049	130UU100/Hydro	Hydro	2x12,5 + 2x15,0	GMFH1I	2xU100	2xUD27	600	rock wool	50	50	6000	58	54	48	56,5	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
[3] Fire classification LBO-073-KZ/22.

Page	Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
						[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR50 LOAD-BEARING STRUCTURE																
1051	62,5A/UAR50/Expert	Expert	12,5	A	UAR50	600	glass wool/rock wool	50	12	3880	34	32	28	12,0	-	-
1051	62,5A/UAR50/Woda [3]	Woda	12,5	H2	UAR50	600	glass wool/rock wool	50	12	3880	34	32	28	12,0	-	-
1051	62,5A/UAR50/Ogień+	Ogień Plus	12,5	DF	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	14,0	-	-
1051	62,5A/UAR50/WodaOgień+	Woda Ogień Plus	12,5	DFH2	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	14,0	-	-
1051	62,5A/UAR50/Cicha	Cicha	12,5	DFH1IR	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	17,0	-	●
1051	62,5A/UAR50/Twarda	Twarda	12,5	DEFH1IR	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	17,0	-	●
1051	62,5A/UAR50/Hydro	Hydro	12,5	GMFH1I	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	15,0	-	●
1051	65A/UAR50/Ogień+	Ogień Plus	15	DF	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	18,0	-	-
1051	65A/UAR50/Twarda	Twarda	15	DEFH1IR	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	20,0	-	●
1051	65A/UAR50/Hydro	Hydro	15	GMFH1I	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	18,0	-	●
1053	75A/UAR50/Expert	Expert	2x12,5	A	UAR50	600	glass wool/rock wool	50	12	4050	37	35	31	20,0	-	-
1053	75A/UAR50/Woda [3]	Woda	2x12,5	H2	UAR50	600	glass wool/rock wool	50	12	4050	37	35	31	20,0	-	-
1053	75A/UAR50/OgieńTypF	Ogień Typ F	2x12,5	F	UAR50	600	glass wool/rock wool	50	12	4050	37	35	31	22,0	(R)EI30	-
1053	75A/UAR50/Ogień+	Ogień Plus	2x12,5	DF	UAR50	600	glass wool/rock wool	50	12	4050	40	38	35	24,0	(R)EI30	-
1053	75A/UAR50/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	UAR50	600	glass wool/rock wool	50	12	4050	40	38	35	24,0	(R)EI30	-
1053	75A/UAR50/Cicha	Cicha	2x12,5	DFH1IR	UAR50	600	glass wool/rock wool	50	12	4050	40	38	35	30,0	(R)EI30	●
1053	75A/UAR50/Twarda	Twarda	2x12,5	DEFH1IR	UAR50	600	glass wool/rock wool	50	12	4050	40	38	35	30,0	(R)EI30	●
1053	75A/UAR50/Hydro	Hydro	2x12,5	GMFH1I	UAR50	600	glass wool/rock wool	50	12	4050	40	38	35	26,0	(R)EI30	●
1053	77,5A/UAR50/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	UAR50	600	glass wool/rock wool	50	12	4050	40	38	35	28,0	(R)EI60	-
1053	80A/UAR50/Ogień+	Ogień Plus	2x15,0	DF	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	31,0	(R)EI60	-
1053	80A/UAR50/Twarda	Twarda	2x15,0	DEFH1IR	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	35,0	(R)EI60	●
1053	80A/UAR50/Hydro	Hydro	2x15,0	GMFH1I	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	31,0	(R)EI60	●
1055	87,5A/UAR50/Ogień+	Ogień Plus	3x12,5	DF	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	34,0	(R)EI60	-
1055	87,5A/UAR50/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	34,0	(R)EI60	-
1055	87,5A/UAR50/Cicha	Cicha	3x12,5	DFH1IR	UAR50	600	glass wool/rock wool	50	50	4050	41	40	37	43,0	(R)EI60	●
1055	87,5A/UAR50/Twarda	Twarda	3x12,5	DEFH1IR	UAR50	600	glass wool/rock wool	50	50	4050	41	40	37	43,0	(R)EI60	●
1055	87,5A/UAR50/Hydro	Hydro	3x12,5	GMFH1I	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	37,0	(R)EI60	●
1055	95A/UAR50/Ogień+ [5]	Ogień Plus	3x15,0	DF	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	45,0	(R)EI120	-
1055	95A/UAR50/WodaOgień+ [5]	Woda Ogień Plus	3x15,0	DFH2	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	45,0	(R)EI120	-
1057	100A/UAR50/Ogień+	Ogień Plus	4x12,5	DF	UAR50	600	glass wool/rock wool	50	14	4050	41	40	38	45,0	(R)EI90	-
1057	100A/UAR50/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	UAR50	600	glass wool/rock wool	50	14	4050	41	40	38	45,0	(R)EI90	-
1057	100A/UAR50/Cicha	Cicha	4x12,5	DFH1IR	UAR50	600	glass wool/rock wool	50	50	4050	41	40	38	56,0	(R)EI90	●
1057	100A/UAR50/Twarda	Twarda	4x12,5	DEFH1IR	UAR50	600	glass wool/rock wool	50	50	4050	41	40	38	56,0	(R)EI90	●
1057	100A/UAR50/Hydro	Hydro	4x12,5	GMFH1I	UAR50	600	glass wool/rock wool	50	14	4050	41	40	38	48,0	(R)EI90	●
1057	105A/UAR50/Ogień+	Ogień Plus	2x12,5+2x15,0	DF	UAR50	600	glass wool/rock wool	50	14	4050	41	40	38	52,0	(R)EI120	-
1057	110A/UAR50/Ogień+	Ogień Plus	4x15,0	DF	UAR50	600	glass wool/rock wool	50	14	4050	42	41	39	59,0	(R)EI120	-
1057	110A/UAR50/Twarda	Twarda	4x15,0	DEFH1IR	UAR50	600	glass wool/rock wool	50	50	4050	42	41	39	66,0	(R)EI120	●
1057	110A/UAR50/Hydro	Hydro	4x15,0	GMFH1I	UAR50	600	glass wool/rock wool	50	14	4050	42	41	39	59,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.
[5] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

ENCASEMENTS FOR VERTICAL SHAFTS

Page	Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Type of Nida profile	Axial spacing between Nida profiles [mm]	Within the range of the acoustic insulation: Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
	THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR75 LOAD-BEARING STRUCTURE															
1059	87,5A/UAR75/Expert	Expert	12,5	A	UAR75	600	glass wool/rock wool	50	12	5130	34	32	28	13,0	-	-
1059	87,5A/UAR75/Woda [3]	Woda	12,5	H2	UAR75	600	glass wool/rock wool	50	12	5130	34	32	28	13,0	-	-
1059	87,5A/UAR75/Ogień+	Ogień Plus	12,5	DF	UAR75	600	glass wool/rock wool	50	12	5130	36	34	30	15,0	-	-
1059	87,5A/UAR75/WodaOgień+	Woda Ogień Plus	12,5	DFH2	UAR75	600	glass wool/rock wool	50	12	5130	36	34	30	15,0	-	-
1059	87,5A/UAR75/Cicha	Cicha	12,5	DFH1IR	UAR75	600	glass wool/rock wool	75	50	5130	36	34	30	18,0	-	●
1059	87,5A/UAR75/Twarda	Twarda	12,5	DEFH1IR	UAR75	600	glass wool/rock wool	75	50	5130	36	34	30	18,0	-	●
1059	87,5A/UAR75/Hydro	Hydro	12,5	GMFH1I	UAR75	600	glass wool/rock wool	50	12	5130	36	34	30	16,0	-	●
1059	90A/UAR75/Ogień+	Ogień Plus	15,0	DF	UAR75	600	glass wool/rock wool	50	12	5130	36	34	30	18,0	-	-
1059	90A/UAR75/Twarda	Twarda	15,0	DEFH1IR	UAR75	600	glass wool/rock wool	75	50	5130	36	34	30	20,0	-	●
1059	90A/UAR75/Hydro	Hydro	15,0	GMFH1I	UAR75	600	glass wool/rock wool	50	12	5130	36	34	30	18,0	-	●
1061	100A/UAR75/Expert	Expert	2x12,5	A	UAR75	600	glass wool/rock wool	50	12	5170	37	35	31	21,0	-	-
1061	100A/UAR75/Woda [3]	Woda	2x12,5	H2	UAR75	600	glass wool/rock wool	50	12	5170	37	35	31	21,0	-	-
1061	100A/UAR75/OgieńTypF	Ogień Typ F	2x12,5	F	UAR75	600	glass wool/rock wool	50	12	5170	37	35	31	23,0	(R)EI30	-
1061	100A/UAR75/Ogień+	Ogień Plus	2x12,5	DF	UAR75	600	glass wool/rock wool	50	12	5170	40	38	35	25,0	(R)EI30	-
1061	100A/UAR75/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	UAR75	600	glass wool/rock wool	50	12	5170	40	38	35	25,0	(R)EI30	-
1061	100A/UAR75/Cicha	Cicha	2x12,5	DFH1IR	UAR75	600	glass wool/rock wool	50	12	5170	40	38	35	31,0	(R)EI30	●
1061	100A/UAR75/Twarda	Twarda	2x12,5	DEFH1IR	UAR75	600	glass wool/rock wool	50	12	5170	40	38	35	31,0	(R)EI30	●
1061	100A/UAR75/Hydro	Hydro	2x12,5	GMFH1I	UAR75	600	glass wool/rock wool	50	12	5170	40	38	35	27,0	(R)EI30	●
1061	102,5A/UAR75/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	UAR75	600	glass wool/rock wool	50	12	5170	40	38	35	29,0	(R)EI60	-
1061	105A/UAR75/Ogień+	Ogień Plus	2x15,0	DF	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	32,0	(R)EI60	-
1061	105A/UAR75/Twarda	Twarda	2x15,0	DEFH1IR	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	36,0	(R)EI60	●
1061	105A/UAR75/Hydro	Hydro	2x15,0	GMFH1I	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	32,0	(R)EI60	●
1063	112,5A/UAR75/Ogień+	Ogień Plus	3x12,5	DF	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	35,0	(R)EI60	-
1063	112,5A/UAR75/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	35,0	(R)EI60	-
1063	112,5A/UAR75/Cicha	Cicha	3x12,5	DFH1IR	UAR75	600	glass wool/rock wool	75	50	5170	41	40	37	44,0	(R)EI60	●
1063	112,5A/UAR75/Twarda	Twarda	3x12,5	DEFH1IR	UAR75	600	glass wool/rock wool	75	50	5170	41	40	37	44,0	(R)EI60	●
1063	112,5A/UAR75/Hydro	Hydro	3x12,5	GMFH1I	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	38,0	(R)EI60	●
1063	120A/UAR75/Ogień+ [5]	Ogień Plus	3x15,0	DF	UAR75	600	glass wool/rock wool	75	12	5170	41	40	37	46,0	(R)EI120	-
1063	120A/UAR75/WodaOgień+ [5]	Woda Ogień Plus	3x15,0	DFH2	UAR75	600	glass wool/rock wool	75	12	5170	41	40	37	46,0	(R)EI120	-
1065	125A/UAR75/Ogień+	Ogień Plus	4x12,5	DF	UAR75	600	glass wool/rock wool	75	14	5170	43	41	38	46,0	(R)EI90	-
1065	125A/UAR75/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	UAR75	600	glass wool/rock wool	75	14	5170	43	41	38	46,0	(R)EI90	-
1065	125A/UAR75/Cicha	Cicha	4x12,5	DFH1IR	UAR75	600	glass wool/rock wool	75	50	5170	43	41	38	57,0	(R)EI90	●
1065	125A/UAR75/Twarda	Twarda	4x12,5	DEFH1IR	UAR75	600	glass wool/rock wool	75	50	5170	43	41	38	57,0	(R)EI90	●
1065	125A/UAR75/Hydro	Hydro	4x12,5	GMFH1I	UAR75	600	glass wool/rock wool	75	14	5170	43	41	38	49,0	(R)EI90	●
1065	130A/UAR75/Ogień+	Ogień Plus	2x12,5+2x15,0	DF	UAR75	600	glass wool/rock wool	75	14	5170	43	41	38	53,0	(R)EI120	-
1065	135A/UAR75/Ogień+	Ogień Plus	4x15,0	DF	UAR75	600	glass wool/rock wool	75	14	5170	44	42	40	60,0	(R)EI120	-
1065	135A/UAR75/Twarda	Twarda	4x15,0	DEFH1IR	UAR75	600	glass wool/rock wool	75	50	5170	44	42	40	68,0	(R)EI120	●
1065	135A/UAR75/Hydro	Hydro	4x15,0	GMFH1I	UAR75	600	glass wool/rock wool	75	14	5170	44	42	40	60,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.
[5] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

Page	Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Type of Nida profile	Axial spacing between Nida profiles [mm]	Within the range of the acoustic insulation: Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
	THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR100 LOAD-BEARING STRUCTURE															
1067	112,5A/UAR100/Expert	Expert	12,5	A	UAR100	600	glass wool/rock wool	50	12	6170	34	32	28	14,0	-	-
1067	112,5A/UAR100/Woda [3]	Woda	12,5	H2	UAR100	600	glass wool/rock wool	50	12	6170	34	32	28	14,0	-	-
1067	112,5A/UAR100/Ogień+	Ogień Plus	12,5	DF	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	16,0	-	-
1067	112,5A/UAR100/WodaOgień+	Woda Ogień Plus	12,5	DFH2	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	16,0	-	-
1067	112,5A/UAR100/Cicha	Cicha	12,5	DFH1IR	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	19,0	-	●
1067	112,5A/UAR100/Twarda	Twarda	12,5	DEFH1IR	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	19,0	-	●
1067	112,5A/UAR100/Hydro	Hydro	12,5	GMFH1I	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	16,0	-	●
1067	115A/UAR100/Ogień+	Ogień Plus	15	DF	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	19,0	-	-
1067	115A/UAR100/Twarda	Twarda	15	DEFH1IR	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	21,0	-	●
1067	115A/UAR100/Hydro	Hydro	15	GMFH1I	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	19,0	-	●
1069	125A/UAR100/Expert	Expert	2x12,5	A	UAR100	600	glass wool/rock wool	50	12	6250	37	35	31	22,0	-	-
1069	125A/UAR100/Woda [3]	Woda	2x12,5	H2	UAR100	600	glass wool/rock wool	50	12	6250	37	35	31	22,0	-	-
1069	125A/UAR100/OgieńTypF	Ogień Typ F	2x12,5	F	UAR100	600	glass wool/rock wool	50	12	6170	37	35	31	24,0	(R)EI30	-
1069	125A/UAR100/Ogień+	Ogień Plus	2x12,5	DF	UAR100	600	glass wool/rock wool	50	12	6170	40	38	35	26,0	(R)EI30	-
1069	125A/UAR100/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	UAR100	600	glass wool/rock wool	50	12	6170	40	38	35	26,0	(R)EI30	-
1069	125A/UAR100/Cicha	Cicha	2x12,5	DFH1IR	UAR100	600	glass wool/rock wool	50	12	6170	40	38	35	32,0	(R)EI30	●
1069	125A/UAR100/Twarda	Twarda	2x12,5	DEFH1IR	UAR100	600	glass wool/rock wool	50	12	6170	40	38	35	32,0	(R)EI30	●
1069	125A/UAR100/Hydro	Hydro	2x12,5	GMFH1I	UAR100	600	glass wool/rock wool	50	12	6170	40	38	35	27,0	(R)EI30	●
1069	127,5A/UAR100/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	UAR100	600	glass wool/rock wool	50	12	6170	40	38	35	30,0	(R)EI60	-
1069	130A/UAR100/Ogień+	Ogień Plus	2x15,0	DF	UAR100	600	glass wool/rock wool	50	12	6170	41	40	37	33,0	(R)EI60	-
1069	130A/UAR100/Twarda	Twarda	2x15,0	DEFH1IR	UAR100	600	glass wool/rock wool	50	12	6170	41	40	37	37,0	(R)EI60	●
1069	130A/UAR100/Hydro	Hydro	2x15,0	GMFH1I	UAR100	600	glass wool/rock wool	50	12	6170	41	40	37	33,0	(R)EI60	●
1071	137,5A/UAR100/Ogień+	Ogień Plus	3x12,5	DF	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	36,0	(R)EI60	-
1071	137,5A/UAR100/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	36,0	(R)EI60	-
1071	137,5A/UAR100/Cicha	Cicha	3x12,5	DFH1IR	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	45,0	(R)EI60	●
1071	137,5A/UAR100/Twarda	Twarda	3x12,5	DEFH1IR	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	45,0	(R)EI60	●
1071	137,5A/UAR100/Hydro	Hydro	3x12,5	GMFH1I	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	39,0	(R)EI60	●
1071	145A/UAR100/Ogień+ [5]	Ogień Plus	3x15,0	DF	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	47,0	(R)EI120	-
1071	145A/UAR100/WodaOgień+ [5]	Woda Ogień Plus	3x15,0	DFH2	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	47,0	(R)EI120	-
1073	150A/UAR100/Ogień+	Ogień Plus	4x12,5	DF	UAR100	600	glass wool/rock wool	100	14	6170	44	42	39	46,0	(R)EI90	-
1073	150A/UAR100/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	UAR100	600	glass wool/rock wool	100	14	6170	44	42	39	46,0	(R)EI90	-
1073	150A/UAR100/Cicha	Cicha	4x12,5	DFH1IR	UAR100	600	glass wool/rock wool	100	14	6170	44	42	39	57,0	(R)EI90	●
1073	150A/UAR100/Twarda	Twarda	4x12,5	DEFH1IR	UAR100	600	glass wool/rock wool	100	14	6170	44	42	39	57,0	(R)EI90	●
1073	150A/UAR100/Hydro	Hydro	4x12,5	GMFH1I	UAR100	600	glass wool/rock wool	100	14	6170	44	42	39	49,0	(R)EI90	●
1073	155A/UAR100/Ogień+	Ogień Plus	2x12,5+2x15,0	DF	UAR100	600	glass wool/rock wool	100	14	6170	44	42	39	53,0	(R)EI120	-
1073	160A/UAR100/Ogień+	Ogień Plus	4x15,0	DF	UAR100	600	glass wool/rock wool	100	14	6170	45	44	40	60,0	(R)EI120	-
1073	160A/UAR100/Twarda	Twarda	4x15,0	DEFH1IR	UAR100	600	glass wool/rock wool	100	14	6170	45	44	40	68,0	(R)EI120	●
1073	160A/UAR100/Hydro	Hydro	4x15,0	GMFH1I	UAR100	600	glass wool/rock wool	100	14	6170	45	44	40	60,0	(R)EI120	●

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[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.
[5] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

ENCASEMENTS FOR VERTICAL SHAFTS

Page	Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material				Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Type of Nida profile	Axial spacing between Nida profiles [mm]	Within the range of the acoustic insulation: Mineral wool	Thickness [mm]	Density [kg/m³]		[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
	THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR50 LOAD-BEARING STRUCTURE																
1075	62,5AA/UAR50/Expert	Expert	12,5	A	2xUAR50	600	optional	-	-		5000	-	-	-	15,0	-	-
1075	62,5AA/UAR50/Woda [3]	Woda	12,5	H2	2xUAR50	600	optional	-	-		5000	-	-	-	15,0	-	-
1075	62,5AA/UAR50/Ogień+	Ogień Plus	12,5	DF	2xUAR50	600	optional	-	-		5000	-	-	-	17,0	-	-
1075	62,5AA/UAR50/WodaOgień+	Woda Ogień Plus	12,5	DFH2	2xUAR50	600	optional	-	-		5000	-	-	-	17,0	-	-
1075	62,5AA/UAR50/Cicha	Cicha	12,5	DFH1IR	2xUAR50	600	optional	-	-		5000	-	-	-	20,0	-	●
1075	62,5AA/UAR50/Twarda	Twarda	12,5	DEFH1IR	2xUAR50	600	optional	-	-		5000	-	-	-	20,0	-	●
1075	62,5AA/UAR50/Hydro	Hydro	12,5	GMFH1I	2xUAR50	600	optional	-	-		5000	-	-	-	18,0	-	●
1075	65AA/UAR50/Ogień+	Ogień Plus	15,0	DF	2xUAR50	600	optional	-	-		5000	-	-	-	21,0	-	-
1075	65AA/UAR50/Twarda	Twarda	15,0	DEFH1IR	2xUAR50	600	optional	-	-		5000	-	-	-	23,0	-	●
1075	65AA/UAR50/Hydro	Hydro	15,0	GMFH1I	2xUAR50	600	optional	-	-		5000	-	-	-	21,0	-	●
1077	75AA/UAR50/Expert	Expert	2x12,5	A	2xUAR50	600	optional	-	-		5310	-	-	-	23,0	-	-
1077	75AA/UAR50/Woda [3]	Woda	2x12,5	H2	2xUAR50	600	optional	-	-		5310	-	-	-	23,0	-	-
1077	75AA/UAR50/OgieńTypF	Ogień Typ F	2x12,5	F	2xUAR50	600	optional	-	-		5310	-	-	-	25,0	(R)EI30	-
1077	75AA/UAR50/Ogień+	Ogień Plus	2x12,5	DF	2xUAR50	600	optional	-	-		5310	-	-	-	27,0	(R)EI30	-
1077	75AA/UAR50/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	2xUAR50	600	optional	-	-		5310	-	-	-	27,0	(R)EI30	-
1077	75AA/UAR50/Cicha	Cicha	2x12,5	DFH1IR	2xUAR50	600	optional	-	-		5310	-	-	-	33,0	(R)EI30	●
1077	75AA/UAR50/Twarda	Twarda	2x12,5	DEFH1IR	2xUAR50	600	optional	-	-		5310	-	-	-	33,0	(R)EI30	●
1077	75AA/UAR50/Hydro	Hydro	2x12,5	GMFH1I	2xUAR50	600	optional	-	-		5310	-	-	-	29,0	(R)EI30	●
1077	77,5AA/UAR50/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	2xUAR50	600	optional	-	-		5310	-	-	-	31,0	(R)EI60	-
1077	80AA/UAR50/Ogień+	Ogień Plus	2x15,0	DF	2xUAR50	600	optional	-	-		5310	-	-	-	34,0	(R)EI60	-
1077	80AA/UAR50/Twarda	Twarda	2x15,0	DEFH1IR	2xUAR50	600	optional	-	-		5310	-	-	-	38,0	(R)EI60	●
1077	80AA/UAR50/Hydro	Hydro	2x15,0	GMFH1I	2xUAR50	600	optional	-	-		5310	-	-	-	34,0	(R)EI60	●
1079	87,5AA/UAR50/Ogień+	Ogień Plus	3x12,5	DF	2xUAR50	600	optional	-	-		5310	-	-	-	38,0	(R)EI60	-
1079	87,5AA/UAR50/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	2xUAR50	600	optional	-	-		5310	-	-	-	38,0	(R)EI60	-
1079	87,5AA/UAR50/Cicha	Cicha	3x12,5	DFH1IR	2xUAR50	600	optional	-	-		5310	-	-	-	46,0	(R)EI60	●
1079	87,5AA/UAR50/Twarda	Twarda	3x12,5	DEFH1IR	2xUAR50	600	optional	-	-		5310	-	-	-	46,0	(R)EI60	●
1079	87,5AA/UAR50/Hydro	Hydro	3x12,5	GMFH1I	2xUAR50	600	optional	-	-		5310	-	-	-	40,0	(R)EI60	●
1079	95AA/UAR50/Ogień+ [5]	Ogień Plus	3x15,0	DF	2xUAR50	600	optional	-	-		5310	-	-	-	48,0	(R)EI120	-
1079	95AA/UAR50/WodaOgień+ [5]	Woda Ogień Plus	3x15,0	DFH2	2xUAR50	600	optional	-	-		5310	-	-	-	48,0	(R)EI120	-
1081	100AA/UAR50/Ogień+	Ogień Plus	4x12,5	DF	2xUAR50	600	optional	-	-		5310	-	-	-	48,0	(R)EI90	-
1081	100AA/UAR50/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	2xUAR50	600	optional	-	-		5310	-	-	-	48,0	(R)EI90	-
1081	100AA/UAR50/Cicha	Cicha	4x12,5	DFH1IR	2xUAR50	600	optional	-	-		5310	-	-	-	59,0	(R)EI90	●
1081	100AA/UAR50/Twarda	Twarda	4x12,5	DEFH1IR	2xUAR50	600	optional	-	-		5310	-	-	-	59,0	(R)EI90	●
1081	100AA/UAR50/Hydro	Hydro	4x12,5	GMFH1I	2xUAR50	600	optional	-	-		5310	-	-	-	51,0	(R)EI90	●
1081	105AA/UAR50/Ogień+	Ogień Plus	2x12,5+2x15,0	DF	2xUAR50	600	optional	-	-		5310	-	-	-	55,0	(R)EI120	-
1081	110AA/UAR50/Ogień+	Ogień Plus	4x15,0	DF	2xUAR50	600	optional	-	-		5310	-	-	-	62,0	(R)EI120	-
1081	110AA/UAR50/Twarda	Twarda	4x15,0	DEFH1IR	2xUAR50	600	optional	-	-		5310	-	-	-	69,0	(R)EI120	●
1081	110AA/UAR50/Hydro	Hydro	4x15,0	GMFH1I	2xUAR50	600	optional	-	-		5310	-	-	-	62,0	(R)EI120	●

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[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.
[5] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

Page	Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material				Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Type of Nida profile	Axial spacing between Nida profiles [mm]	Within the range of the acoustic insulation: Mineral wool	Thickness [mm]	Density [kg/m³]		[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
	THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR75 LOAD-BEARING STRUCTURE																
1083	87,5AA/UAR75/Expert	Expert	12,5	A	2xUAR75	600	optional	-	-		6590	-	-	-	17,0	-	-
1083	87,5AA/UAR75/Woda [3]	Woda	12,5	H2	2xUAR75	600	optional	-	-		6590	-	-	-	17,0	-	-
1083	87,5AA/UAR75/Ogień+	Ogień Plus	12,5	DF	2xUAR75	600	optional	-	-		6500	-	-	-	19,0	-	-
1083	87,5AA/UAR75/WodaOgień+	Woda Ogień Plus	12,5	DFH2	2xUAR75	600	optional	-	-		6500	-	-	-	19,0	-	-
1083	87,5AA/UAR75/Cicha	Cicha	12,5	DFH1IR	2xUAR75	600	optional	-	-		6500	-	-	-	21,0	-	●
1083	87,5AA/UAR75/Twarda	Twarda	12,5	DEFH1IR	2xUAR75	600	optional	-	-		6500	-	-	-	21,0	-	●
1083	87,5AA/UAR75/Hydro	Hydro	12,5	GMFH1I	2xUAR75	600	optional	-	-		6500	-	-	-	19,0	-	●
1083	90AA/UAR75/Ogień+	Ogień Plus	15,0	DF	2xUAR75	600	optional	-	-		6500	-	-	-	22,0	-	-
1083	90AA/UAR75/Twarda	Twarda	15,0	DEFH1IR	2xUAR75	600	optional	-	-		6500	-	-	-	24,0	-	●
1083	90AA/UAR75/Hydro	Hydro	15,0	GMFH1I	2xUAR75	600	optional	-	-		6500	-	-	-	22,0	-	●
1085	100AA/UAR75/Expert	Expert	2x12,5	A	2xUAR75	600	optional	-	-		6760	-	-	-	25,0	-	-
1085	100AA/UAR75/Woda [3]	Woda	2x12,5	H2	2xUAR75	600	optional	-	-		6760	-	-	-	25,0	-	-
1085	100AA/UAR75/OgieńTypF	Ogień Typ F	2x12,5	F	2xUAR75	600	optional	-	-		6500	-	-	-	26,0	(R)EI30	-
1085	100AA/UAR75/Ogień+	Ogień Plus	2x12,5	DF	2xUAR75	600	optional	-	-		6500	-	-	-	29,0	(R)EI30	-
1085	100AA/UAR75/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	2xUAR75	600	optional	-	-		6500	-	-	-	29,0	(R)EI30	-
1085	100AA/UAR75/Cicha	Cicha	2x12,5	DFH1IR	2xUAR75	600	optional	-	-		6500	-	-	-	34,0	(R)EI30	●
1085	100AA/UAR75/Twarda	Twarda	2x12,5	DEFH1IR	2xUAR75	600	optional	-	-		6500	-	-	-	34,0	(R)EI30	●
1085	100AA/UAR75/Hydro	Hydro	2x12,5	GMFH1I	2xUAR75	600	optional	-	-		6500	-	-	-	31,0	(R)EI30	●
1085	102,5AA/UAR75/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	2xUAR75	600	optional	-	-		6500	-	-	-	33,0	(R)EI60	-
1085	105AA/UAR75/Ogień+	Ogień Plus	2x15,0	DF	2xUAR75	600	optional	-	-		6500	-	-	-	36,0	(R)EI60	-
1085	105AA/UAR75/Twarda	Twarda	2x15,0	DEFH1IR	2xUAR75	600	optional	-	-		6500	-	-	-	40,0	(R)EI60	●
1085	105AA/UAR75/Hydro	Hydro	2x15,0	GMFH1I	2xUAR75	600	optional	-	-		6500	-	-	-	36,0	(R)EI60	●
1087	112,5AA/UAR75/Ogień+	Ogień Plus	3x12,5	DF	2xUAR75	600	optional	-	-		6500	-	-	-	39,0	(R)EI60	-
1087	112,5AA/UAR75/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	2xUAR75	600	optional	-	-		6500	-	-	-	39,0	(R)EI60	-
1087	112,5AA/UAR75/Cicha	Cicha	3x12,5	DFH1IR	2xUAR75	600	optional	-	-		6500	-	-	-	47,0	(R)EI60	●
1087	112,5AA/UAR75/Twarda	Twarda	3x12,5	DEFH1IR	2xUAR75	600	optional	-	-		6500	-	-	-	47,0	(R)EI60	●
1087	112,5AA/UAR75/Hydro	Hydro	3x12,5	GMFH1I	2xUAR75	600	optional	-	-		6500	-	-	-	41,0	(R)EI60	●
1087	120AA/UAR75/Ogień+ [5]	Ogień Plus	3x15,0	DF	2xUAR75	600	optional	-	-		6500	-	-	-	49,0	(R)EI120	-
1087	120AA/UAR75/WodaOgień+ [5]	Woda Ogień Plus	3x15,0	DFH2	2xUAR75	600	optional	-	-		6500	-	-	-	49,0	(R)EI120	-
1089	125AA/UAR75/Ogień+	Ogień Plus	4x12,5	DF	2xUAR75	600	optional	-	-		6500	-	-	-	49,0	(R)EI90	-
1089	125AA/UAR75/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	2xUAR75	600	optional	-	-		6500	-	-	-	49,0	(R)EI90	-
1089	125AA/UAR75/Cicha	Cicha	4x12,5	DFH1IR	2xUAR75	600	optional	-	-		6500	-	-	-	60,0	(R)EI90	●
1089	125AA/UAR75/Twarda	Twarda	4x12,5	DEFH1IR	2xUAR75	600	optional	-	-		6500	-	-	-	60,0	(R)EI90	●
1089	125AA/UAR75/Hydro	Hydro	4x12,5	GMFH1I	2xUAR75	600	optional	-	-		6500	-	-	-	52,0	(R)EI90	●
1089	130AA/UAR75/Ogień+	Ogień Plus	2x12,5+2x15,0	DF	2xUAR75	600	optional	-	-		6500	-	-	-	56,0	(R)EI120	-
1089	135AA/UAR75/Ogień+	Ogień Plus	4x15,0	DF	2xUAR75	600	optional	-	-		6500	-	-	-	63,0	(R)EI120	-
1089	135AA/UAR75/Twarda	Twarda	4x15,0	DEFH1IR	2xUAR75	600	optional	-	-		6500	-	-	-	71,0	(R)EI120	●
1089	135AA/UAR75/Hydro	Hydro	4x15,0	GMFH1I	2xUAR75	600	optional	-	-		6500	-	-	-	63,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.
[5] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

ENCASEMENTS FOR VERTICAL SHAFTS

Page	Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
						[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
	THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR100 LOAD-BEARING STRUCTURE															
1091	112,5AA/UAR100/Expert	Expert	12,5	A	2xUAR100	600	optional	-	-	8310	-	-	-	18,0	-	-
1091	112,5AA/UAR100/Woda [3]	Woda	12,5	H2	2xUAR100	600	optional	-	-	8310	-	-	-	18,0	-	-
1091	112,5AA/UAR100/Ogień+	Ogień Plus	12,5	DF	2xUAR100	600	optional	-	-	8310	-	-	-	20,0	-	-
1091	112,5AA/UAR100/WodaOgień+	Woda Ogień Plus	12,5	DFH2	2xUAR100	600	optional	-	-	8310	-	-	-	20,0	-	-
1091	112,5AA/UAR100/Cicha	Cicha	12,5	DFH1IR	2xUAR100	600	optional	-	-	8310	-	-	-	23,0	-	●
1091	112,5AA/UAR100/Twarda	Twarda	12,5	DEFH1IR	2xUAR100	600	optional	-	-	8310	-	-	-	23,0	-	●
1091	112,5AA/UAR100/Hydro	Hydro	12,5	GMFH1I	2xUAR100	600	optional	-	-	8310	-	-	-	21,0	-	●
1091	115AA/UAR100/Ogień+	Ogień Plus	15	DF	2xUAR100	600	optional	-	-	8310	-	-	-	23,0	-	-
1091	115AA/UAR100/Twarda	Twarda	15	DEFH1IR	2xUAR100	600	optional	-	-	8310	-	-	-	25,0	-	●
1091	115AA/UAR100/Hydro	Hydro	15	GMFH1I	2xUAR100	600	optional	-	-	8310	-	-	-	23,0	-	●
1093	125AA/UAR100/Expert	Expert	2x12,5	A	2xUAR100	600	optional	-	-	8420	-	-	-	26,0	-	-
1093	125AA/UAR100/Woda [3]	Woda	2x12,5	H2	2xUAR100	600	optional	-	-	8420	-	-	-	26,0	-	-
1093	125AA/UAR100/OgieńTypF	Ogień Typ F	2x12,5	F	2xUAR100	600	optional	-	-	6500	-	-	-	27,0	(R)EI30	-
1093	125AA/UAR100/Ogień+	Ogień Plus	2x12,5	DF	2xUAR100	600	optional	-	-	6500	-	-	-	30,0	(R)EI30	-
1093	125AA/UAR100/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	2xUAR100	600	optional	-	-	6500	-	-	-	30,0	(R)EI30	-
1093	125AA/UAR100/Cicha	Cicha	2x12,5	DFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	36,0	(R)EI30	●
1093	125AA/UAR100/Twarda	Twarda	2x12,5	DEFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	36,0	(R)EI30	●
1093	125AA/UAR100/Hydro	Hydro	2x12,5	GMFH1I	2xUAR100	600	optional	-	-	6500	-	-	-	32,0	(R)EI30	●
1093	127,5AA/UAR100/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	2xUAR100	600	optional	-	-	6500	-	-	-	34,0	(R)EI60	-
1093	130AA/UAR100/Ogień+	Ogień Plus	2x15,0	DF	2xUAR100	600	optional	-	-	6500	-	-	-	37,0	(R)EI60	-
1093	130AA/UAR100/Twarda	Twarda	2x15,0	DEFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	41,0	(R)EI60	●
1093	130AA/UAR100/Hydro	Hydro	2x15,0	GMFH1I	2xUAR100	600	optional	-	-	6500	-	-	-	37,0	(R)EI60	●
1095	137,5AA/UAR100/Ogień+	Ogień Plus	3x12,5	DF	2xUAR100	600	optional	-	-	6500	-	-	-	40,0	(R)EI60	-
1095	137,5AA/UAR100/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	2xUAR100	600	optional	-	-	6500	-	-	-	40,0	(R)EI60	-
1095	137,5AA/UAR100/Cicha	Cicha	3x12,5	DFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	49,0	(R)EI60	●
1095	137,5AA/UAR100/Twarda	Twarda	3x12,5	DEFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	49,0	(R)EI60	●
1095	137,5AA/UAR100/Hydro	Hydro	3x12,5	GMFH1I	2xUAR100	600	optional	-	-	6500	-	-	-	43,0	(R)EI60	●
1095	145AA/UAR100/Ogień+ [5]	Ogień Plus	3x15,0	DF	2xUAR100	600	optional	-	-	6500	-	-	-	51,0	(R)EI120	-
1095	145AA/UAR100/WodaOgień+ [5]	Woda Ogień Plus	3x15,0	DFH2	2xUAR100	600	optional	-	-	6500	-	-	-	51,0	(R)EI120	-
1097	150AA/UAR100/Ogień+	Ogień Plus	4x12,5	DF	2xUAR100	600	optional	-	-	6500	-	-	-	50,0	(R)EI90	-
1097	150AA/UAR100/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	2xUAR100	600	optional	-	-	6500	-	-	-	50,0	(R)EI90	-
1097	150AA/UAR100/Cicha	Cicha	4x12,5	DFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	61,0	(R)EI90	●
1097	150AA/UAR100/Twarda	Twarda	4x12,5	DEFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	61,0	(R)EI90	●
1097	150AA/UAR100/Hydro	Hydro	4x12,5	GMFH1I	2xUAR100	600	optional	-	-	6500	-	-	-	53,0	(R)EI90	●
1097	155AA/UAR100/Ogień+	Ogień Plus	2x12,5+2x15,0	DF	2xUAR100	600	optional	-	-	6500	-	-	-	57,0	(R)EI120	-
1097	160AA/UAR100/Ogień+	Ogień Plus	4x15,0	DF	2xUAR100	600	optional	-	-	6500	-	-	-	64,0	(R)EI120	-
1097	160AA/UAR100/Twarda	Twarda	4x15,0	DEFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	72,0	(R)EI120	●
1097	160AA/UAR100/Hydro	Hydro	4x15,0	GMFH1I	2xUAR100	600	optional	-	-	6500	-	-	-	64,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.
[5] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

Page	Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [1]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
						[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
	THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS WITHOUT A LOAD-BEARING STRUCTURE															
1101	25/Expert	Expert	2x12,5	A	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	37	35	31	18,0	-	-
1101	25/Woda [2]	Woda	2x12,5	H2	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	37	35	31	18,0	-	-
1101	25/OgieńTypF	Ogień Typ F	2x12,5	F	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	37	35	31	19,0	(R)EI30	-
1101	25/Ogień+	Ogień Plus	2x12,5	DF	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	40	38	35	22,0	(R)EI30	-
1101	25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	40	38	35	22,0	(R)EI30	-
1101	25/Cicha	Cicha	2x12,5	DFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	12	Without limits	40	38	35	27,0	(R)EI30	●
1101	25/Twarda	Twarda	2x12,5	DEFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	12	Without limits	40	38	35	27,0	(R)EI30	●
1101	25/Hydro	Hydro	2x12,5	GMFH1I	C50, C75, C100	2400	glass wool/rock wool	50	12	Without limits	40	38	35	23,0	(R)EI30	●
1101	27,5/Ogień+ [3]	Ogień Plus	1x12,5+1x15,0	DF	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	40	38	35	26,0	(R)EI60	-
1101	30/Ogień+	Ogień Plus	2x15,0	DF	C50, C75, C100	2500	glass wool/rock wool	100	12	Without limits	42	41	37	29,0	(R)EI60	-
1101	30/Twarda	Twarda	2x15,0	DEFH1IR	C50, C75, C100	2000	glass wool/rock wool	100	12	Without limits	42	41	37	32,0	(R)EI60	●
1101	30/Hydro	Hydro	2x15,0	GMFH1I	C50, C75, C100	2400	glass wool/rock wool	100	12	Without limits	42	41	37	29,0	(R)EI60	●
1103	37,5/Ogień+	Ogień Plus	3x12,5	DF	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	41	40	37	32,0	(R)EI60	-
1103	37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	41	40	37	32,0	(R)EI60	-
1103	37,5/Cicha	Cicha	3x12,5	DFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	12	Without limits	41	40	37	40,0	(R)EI60	●
1103	37,5/Twarda	Twarda	3x12,5	DEFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	12	Without limits	41	40	37	40,0	(R)EI60	●
1103	37,5/Hydro	Hydro	3x12,5	GMFH1I	C50, C75, C100	2400	glass wool/rock wool	50	12	Without limits	41	40	37	34,0	(R)EI60	●
1103	45/Ogień+ [4]	Ogień Plus	3x15,0	DF	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	41	40	37	42,0	(R)EI120	-
1103	45/WodaOgień+ [4]	Woda Ogień Plus	3x15,0	DFH2	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	41	40	37	42,0	(R)EI120	-
1105	50/Ogień+	Ogień Plus	4x12,5	DF	C50, C75, C100	2500	glass wool/rock wool	50	14	Without limits	41	40	38	42,0	(R)EI90	-
1105	50/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	C50, C75, C100	2500	glass wool/rock wool	50	14	Without limits	41	40	38	42,0	(R)EI90	-
1105	50/Cicha	Cicha	4x12,5	DFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	14	Without limits	41	40	38	53,0	(R)EI90	●
1105	50/Twarda	Twarda	4x12,5	DEFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	14	Without limits	41	40	38	53,0	(R)EI90	●
1105	50/Hydro	Hydro	4x12,5	GMFH1I	C50, C75, C100	2400	glass wool/rock wool	50	14	Without limits	41	40	38	45,0	(R)EI90	●
1105	55/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	C50, C75, C100	2500	glass wool/rock wool	50	14	Without limits	41	40	38	51,0	(R)EI120	-
1105	60/Ogień+	Ogień Plus	4x15,0	DF	C50, C75, C100	2500	glass wool/rock wool	50	14	Without limits	42	41	39	56,0	(R)EI120	-
1105	60/Twarda	Twarda	4x15,0	DEFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	14	Without limits	42	41	39	64,0	(R)EI120	●
1105	60/Hydro	Hydro	4x15,0	GMFH1I	C50, C75, C100	2400	glass wool/rock wool	50	14	Without limits	42	41	39	56,0	(R)EI120	●

[1] Fire classification LBO-073-KZ/22.
[2] 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.)
[3] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.
[4] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

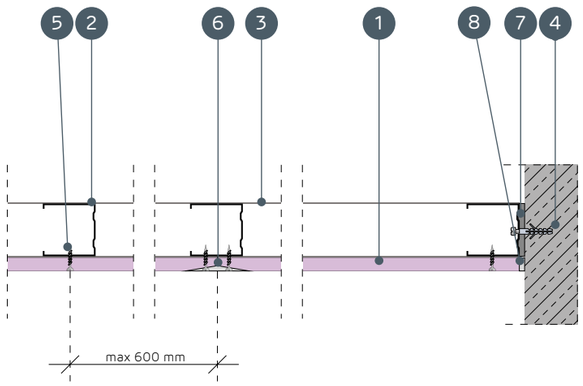
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
N/A	36 dB	3000 mm	11,0-18,0 kg	ETA 15/0301

SYSTEMS:
62,5A50; 65A50

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016

MATERIALS:

1. Nida plasterboard
2. Nida C50 profile
3. Nida U50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
7. Sealing tape for Nida acoustic insulation
8. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C50 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
62,5A50/Expert	Expert	12,5	A	C50	600	glass wool/rock wool	50	12	3000	34	32	28	11,0	-	-
62,5A50/Woda [2]	Woda	12,5	H2	C50	600	glass wool/rock wool	50	12	3000	34	32	28	11,0	-	-
62,5A50/Ogień+	Ogień Plus	12,5	DF	C50	600	glass wool/rock wool	50	12	3000	36	34	30	13,0	-	-
62,5A50/WodaOgień+	Woda Ogień Plus	12,5	DFH2	C50	600	glass wool/rock wool	50	12	3000	36	34	30	13,0	-	-
62,5A50/Cicha	Cicha	12,5	DFH1IR	C50	600	glass wool/rock wool	50	12	3000	36	34	30	16,0	-	●
62,5A50/Twarda	Twarda	12,5	DEFH1IR	C50	600	glass wool/rock wool	50	12	3000	36	34	30	16,0	-	●
62,5A50/Hydro	Hydro	12,5	GMFH1I	C50	600	glass wool/rock wool	50	12	3000	36	34	30	14,0	-	●
65A50/Ogień+	Ogień Plus	15,0	DF	C50	600	glass wool/rock wool	50	12	3000	36	34	30	16,0	-	-
65A50/Twarda	Twarda	15,0	DEFH1IR	C50	600	glass wool/rock wool	50	12	3000	36	34	30	18,0	-	●
65A50/Hydro	Hydro	15,0	GMFH1I	C50	600	glass wool/rock wool	50	12	3000	36	34	30	16,0	-	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] 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.)

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht									
		62,5A50/ Expert	62,5A50/ Woda	62,5A50/ Ogień+	62,5A50/ WodaOgień+	62,5A50/ Cicha	62,5A50/ Twarda	62,5A50/ Hydro	65A50/ Ogień+	65A50/ Twarda	65A50/Hydro
		Consumption of material per 1m²									
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	1,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	1,0	-	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	1,0	-	-	-	-	-	-
Nida Cicha 12.5 mm plasterboard	m²	-	-	-	-	1,0	-	-	-	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	-	-	-	1,0	-	-	-	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	-	-	-	1,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	1,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	1,0
Nida C50 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U50 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [3]	pcs.	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.	12,0	12,0	12,0	12,0	-	-	-	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	12,0	12,0	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	12,0	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	0,3	0,3	0,3	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler [4]	kg	-	-	-	-	-	0,4	0,4	-	0,4	0,4
Mineral wool [5]	m²	1,0	1,0	1,0	1,0	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
The standards concerning the amount of utilised material do not cover the loss of the material.

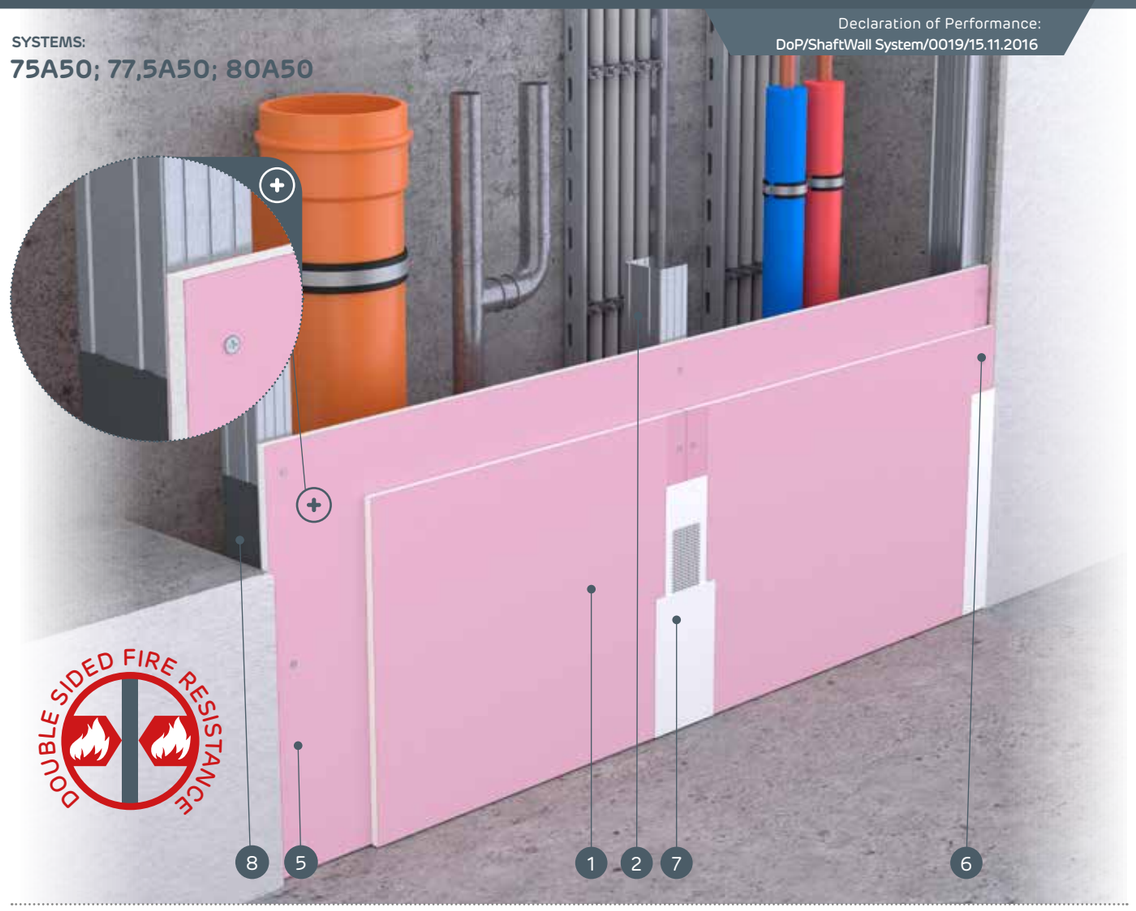
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI30 (R)EI60	41 dB	3000 mm	19,0-33,0 kg	ETA 15/0301

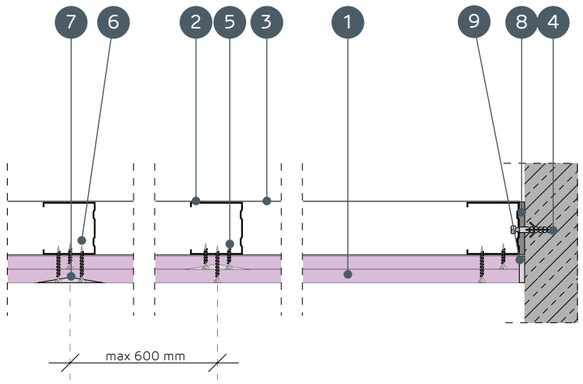
SYSTEMS:
75A50; 77,5A50; 80A50

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida C50 profile
3. Nida U50 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. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
8. Sealing tape for Nida acoustic insulation
9. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C50 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
75A50/Expert	Expert	2x12,5	A	C50	600	glass wool/rock wool	50	12	2800	37	35	31	19,0	-	-
75A50/Woda [3]	Woda	2x12,5	H2	C50	600	glass wool/rock wool	50	12	2800	37	35	31	19,0	-	-
75A50/OgieńTypF	Ogień Typ F	2x12,5	F	C50	600	glass wool/rock wool	50	12	2800	37	35	31	20,0	(R)EI30	-
75A50/Ogień+	Ogień Plus	2x12,5	DF	C50	600	glass wool/rock wool	50	12	2800	40	38	35	23,0	(R)EI30	-
75A50/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	C50	600	glass wool/rock wool	50	12	2800	40	38	35	23,0	(R)EI30	-
75A50/Cicha	Cicha	2x12,5	DFH1IR	C50	600	glass wool/rock wool	50	12	2800	40	38	35	28,0	(R)EI30	●
75A50/Twarda	Twarda	2x12,5	DEFH1IR	C50	600	glass wool/rock wool	50	12	2800	40	38	35	28,0	(R)EI30	●
75A50/Hydro	Hydro	2x12,5	GMFH1I	C50	600	glass wool/rock wool	50	12	2800	40	38	35	24,0	(R)EI30	●
77,5A50/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	C50	600	glass wool/rock wool	50	12	3000	40	38	35	27,0	(R)EI60	-
80A50/Ogień+	Ogień Plus	2x15,0	DF	C50	600	glass wool/rock wool	50	12	3000	41	40	37	30,0	(R)EI60	-
80A50/Twarda	Twarda	2x15,0	DEFH1IR	C50	600	glass wool/rock wool	50	12	3000	41	40	37	33,0	(R)EI60	●
80A50/Hydro	Hydro	2x15,0	GMFH1I	C50	600	glass wool/rock wool	50	12	3000	41	40	37	30,0	(R)EI60	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht											
		75A50/Expert	75A50/Woda	75A50/OgieńTypF	75A50/Ogień+	75A50/WodaOgień+	75A50/Cicha	75A50/Twarda	75A50/Hydro	77,5A50/Ogień+	80A50/Ogień+	80A50/Twarda	80A50/Hydro
		Consumption of material per 1m²											
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	2,0	-	-	-	-	-	-	-	-	-	-
Nida Ogień Typ F 12.5 mm plasterboard	m²	-	-	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	-	2,0	-	-	-	-	1,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	2,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Hydro 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
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
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
Nida 3.5x25 mm sheet metal screws	pcs.	4,0	4,0	4,0	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	12,0	12,0	12,0	12,0	12,0	-	-	-	-	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	12,0	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	12,0	12,0	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [6]	kg	-	-	-	-	-	-	0,7	0,7	-	-	0,7	0,7
Mineral wool [7]	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

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

ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

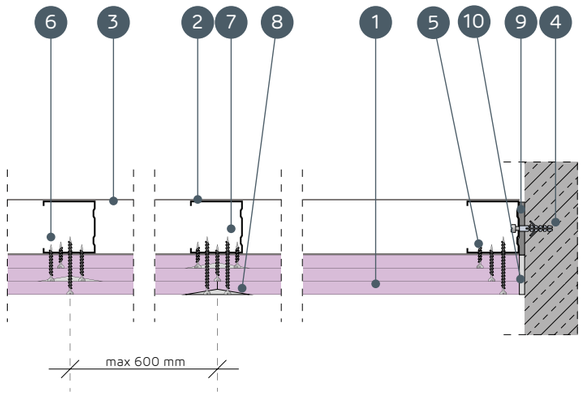
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60 (R)EI120	41 dB	3000 mm	33,0-43,0 kg	ETA 15/0301

SYSTEMS:
87,5A50; 95A50

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016

MATERIALS:

1. Nida plasterboard
2. Nida C50 profile
3. Nida U50 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. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C50 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
87,5A50/Ogień+	Ogień Plus	3x12,5	DF	C50	600	glass wool/rock wool	50	12	3000	41	40	37	33,0	(R)EI60	-
87,5A50/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	C50	600	glass wool/rock wool	50	12	3000	41	40	37	33,0	(R)EI60	-
87,5A50/Cicha	Cicha	3x12,5	DFH1IR	C50	600	glass wool/rock wool	50	12	3000	41	40	37	41,0	(R)EI60	●
87,5A50/Twarda	Twarda	3x12,5	DEFH1IR	C50	600	glass wool/rock wool	50	12	3000	41	40	37	41,0	(R)EI60	●
87,5A50/Hydro	Hydro	3x12,5	GMFH1I	C50	600	glass wool/rock wool	50	12	3000	41	40	37	35,0	(R)EI60	●
95A50/Ogień+ [3]	Ogień Plus	3x15,0	DF	C50	600	glass wool/rock wool	50	12	3000	41	40	37	43,0	(R)EI120	-
95A50/WodaOgień+ [3]	Woda Ogień Plus	3x15,0	DFH2	C50	600	glass wool/rock wool	50	12	3000	41	40	37	43,0	(R)EI120	-

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht						
		87,5A50/ Ogień+	87,5A50/ WodaOgień+	87,5A50/Cicha	87,5A50/ Twarda	87,5A50/Hydro	95A50/Ogień+	95A50/ WodaOgień+
		Consumption of material per 1m²						
Nida Ogień Plus 12.5 mm plasterboard	m²	3,0	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	3,0	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	3,0	-
Nida Woda Ogień Plus 15.0 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.	4,0	4,0	-	-	-	4,0	4,0
Nida 3.5x35 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	-	4,0	4,0
Nida 3.5x55 mm sheet metal screws	pcs.	12,0	12,0	-	-	-	-	-
Nida 4.2x70 mm sheet metal screws	pcs.	-	-	-	-	-	12,0	12,0
FixDens 4.2x25 mm screws	pcs.	-	-	4,0	4,0	-	-	-
FixDens 4.2x42 mm screws	pcs.	-	-	4,0	4,0	-	-	-
FixDens 4.2x60 mm screws	pcs.	-	-	12,0	12,0	-	-	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	12,0	-	-
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,1	0,1	0,1	-	-	0,1	0,1
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	1,0	1,0	-	-
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
The standards concerning the amount of utilised material do not cover the loss of the material.

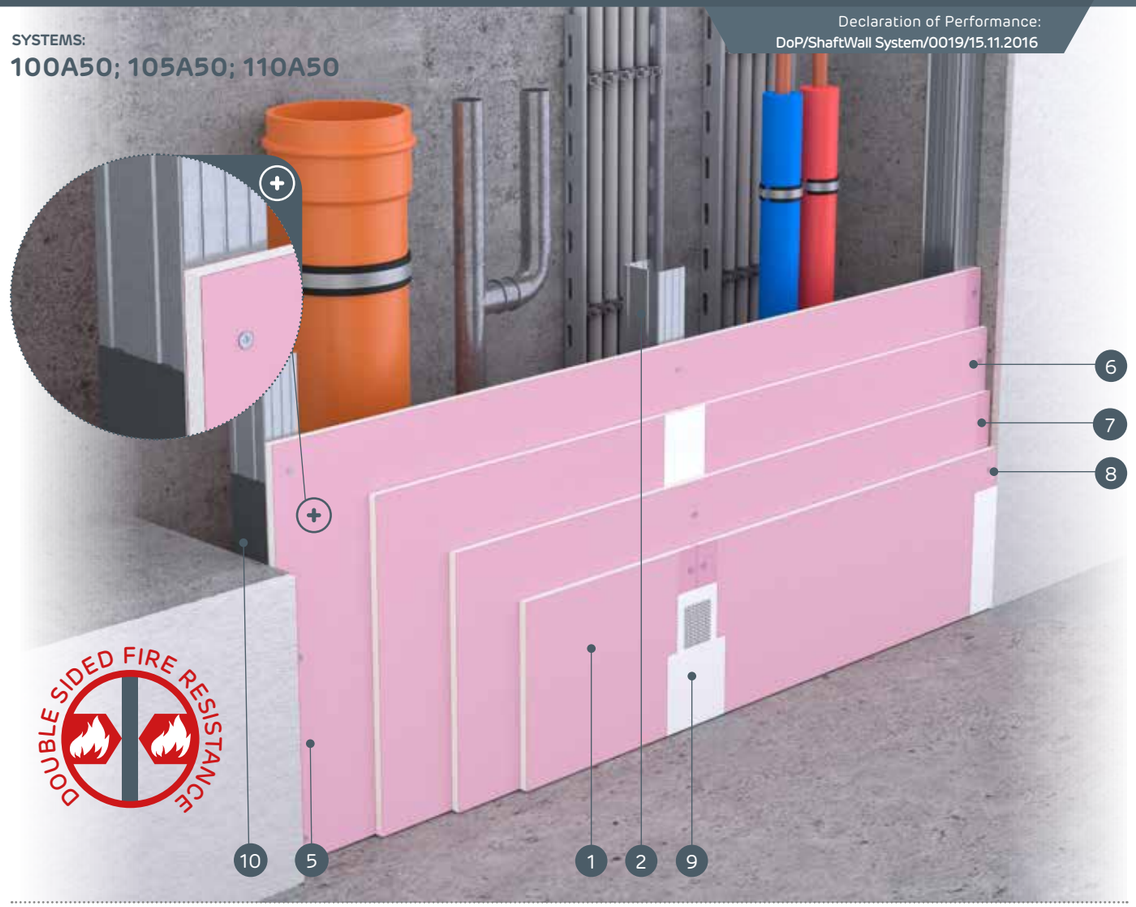
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI90 (R)EI120	42 dB	3500 mm	43,0-65,0 kg	ETA 15/0301

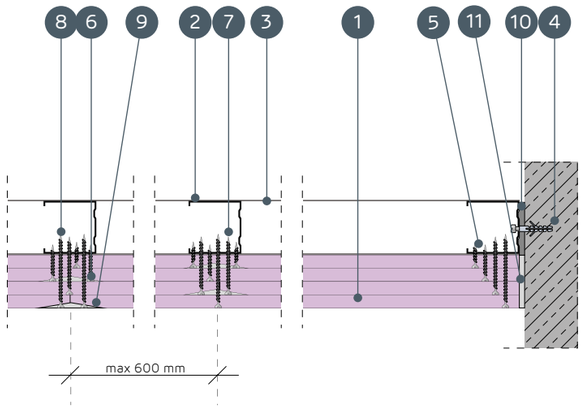
SYSTEMS:
100A50; 105A50; 110A50

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida C50 profile
3. Nida U50 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. Nida 4.2 x 70 mm sheet metal screws
9. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
10. Sealing tape for Nida acoustic insulation
11. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C50 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation [3]			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
100A50/Ogień+	Ogień Plus	4x12,5	DF	C50	600	glass wool/rock wool	50	14	3250	41	40	38	43,0	(R)EI90	-
100A50/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	C50	600	glass wool/rock wool	50	14	3250	41	40	38	43,0	(R)EI90	-
100A50/Cicha	Cicha	4x12,5	DFH1IR	C50	600	glass wool/rock wool	50	14	3250	41	40	38	54,0	(R)EI90	●
100A50/Twarda	Twarda	4x12,5	DEFH1IR	C50	600	glass wool/rock wool	50	14	3250	41	40	38	54,0	(R)EI90	●
100A50/Hydro	Hydro	4x12,5	GMFH1I	C50	600	glass wool/rock wool	50	14	3250	41	40	38	46,0	(R)EI90	●
105A50/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	C50	600	glass wool/rock wool	50	14	3250	41	40	38	50,0	(R)EI120	-
110A50/Ogień+	Ogień Plus	4x15,0	DF	C50	600	glass wool/rock wool	50	14	3500	42	41	39	57,0	(R)EI120	-
110A50/Twarda	Twarda	4x15,0	DEFH1IR	C50	600	glass wool/rock wool	50	14	3500	42	41	39	65,0	(R)EI120	●
110A50/Hydro	Hydro	4x15,0	GMFH1I	C50	600	glass wool/rock wool	50	14	3500	42	41	39	57,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht								
		100A50/ Ogień+	100A50/ WodaOgień+	100A50/ Cicha	100A50/ Twarda	100A50/ Hydro	105A50/ Ogień+	110A50/ Ogień+	110A50/ Twarda	110A50/ Hydro
		Consumption of material per 1m²								
Nida Ogień Plus 12.5 mm plasterboard	m²	4,0	-	-	-	-	2,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	4,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	4,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-
Nida Hydro 15.0 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
Nida U50 profile	lm	0,7	0,7	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	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	-	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	-	4,0	4,0	-	-
Nida 3.5x55 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 4.2x70 mm sheet metal screws	pcs.	12,0	12,0	-	-	-	12,0	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.2x60 mm screws	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.5x80 mm screws	pcs.	-	-	12,0	12,0	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 4.2x70 mm sheet metal screws	pcs.	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	1,3	1,3	-	-	1,3	1,3
Mineral wool [6]	m²	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] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements
The standards concerning the amount of utilised material do not cover the loss of the material.

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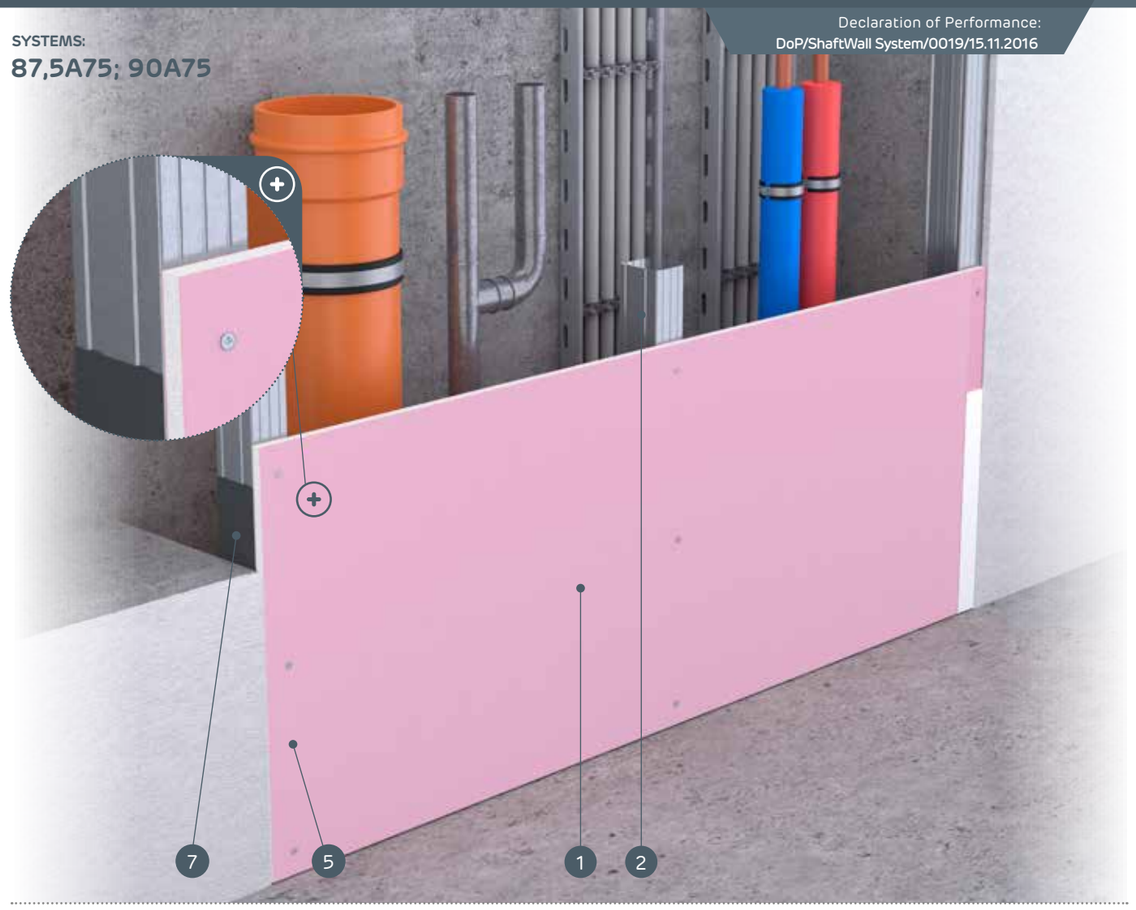
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
N/A	36 dB	4000 mm	11,0-18,0 kg	ETA 15/0301

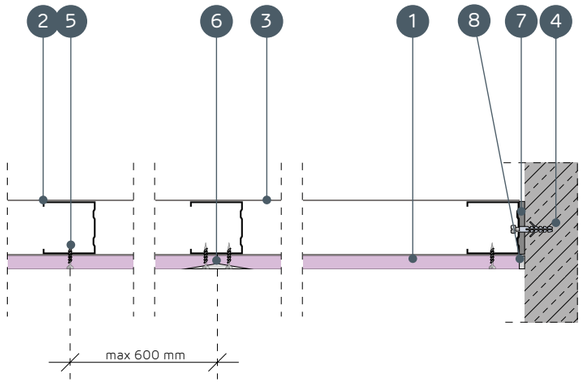
SYSTEMS:
87,5A75; 90A75

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida C75 profile
3. Nida U75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
7. Sealing tape for Nida acoustic insulation
8. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height[1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
87,5A75/Expert	Expert	12,5	A	C75	600	glass wool/rock wool	50	12	4000	34	32	28	11,0	-	-
87,5A75/Woda[2]	Woda	12,5	H2	C75	600	glass wool/rock wool	50	12	4000	34	32	28	11,0	-	-
87,5A75/Ogień+	Ogień Plus	12,5	DF	C75	600	glass wool/rock wool	50	12	4000	36	34	30	13,0	-	-
87,5A75/WodaOgień+	Woda Ogień Plus	12,5	DFH2	C75	600	glass wool/rock wool	50	12	4000	36	34	30	13,0	-	-
87,5A75/Cicha	Cicha	12,5	DFH1IR	C75	600	glass wool/rock wool	50	12	4000	36	34	30	16,0	-	●
87,5A75/Twarda	Twarda	12,5	DEFH1IR	C75	600	glass wool/rock wool	50	12	4000	36	34	30	16,0	-	●
87,5A75/Hydro	Hydro	12,5	GMFH1I	C75	600	glass wool/rock wool	50	12	4000	36	34	30	14,0	-	●
90A75/Ogień+	Ogień Plus	15,0	DF	C75	600	glass wool/rock wool	50	12	4000	36	34	30	16,0	-	-
90A75/Twarda	Twarda	15,0	DEFH1IR	C75	600	glass wool/rock wool	50	12	4000	36	34	30	18,0	-	●
90A75/Hydro	Hydro	15,0	GMFH1I	C75	600	glass wool/rock wool	50	12	4000	36	34	30	16,0	-	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] 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.)

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht									
		87,5A75/ Expert	87,5A75/ Woda	87,5A75/ Ogień+	87,5A75/ WodaOgień+	87,5A75/ Cicha	87,5A75/ Twarda	87,5A75/ Hydro	90A75/ Ogień+	90A75/ Twarda	90A75/Hydro
		Consumption of material per 1m²									
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	1,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	1,0	-	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	1,0	-	-	-	-	-	-
Nida Cicha 12.5 mm plasterboard	m²	-	-	-	-	1,0	-	-	-	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	-	-	-	1,0	-	-	-	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	-	-	-	1,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	1,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	1,0
Nida C75 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U75 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element[3]	pcs.	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.	12,0	12,0	12,0	12,0	-	-	-	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	12,0	12,0	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	12,0	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	0,3	0,3	0,3	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler[4]	kg	-	-	-	-	-	0,4	0,4	-	0,4	0,4
Mineral wool[5]	m²	1,0	1,0	1,0	1,0	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
The standards concerning the amount of utilised material do not cover the loss of the material.

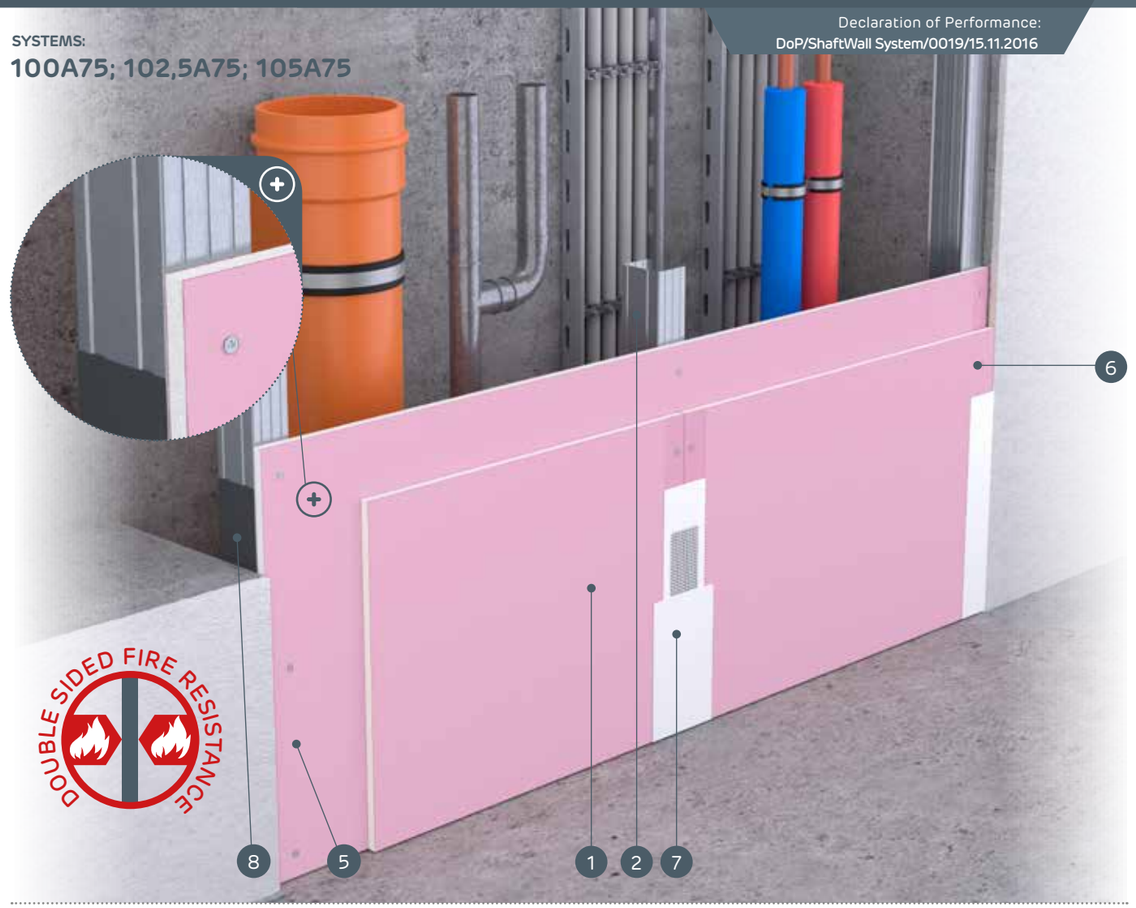
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI30 (R)EI60	41 dB	4000 mm	19,0-33,0 kg	ETA 15/0301

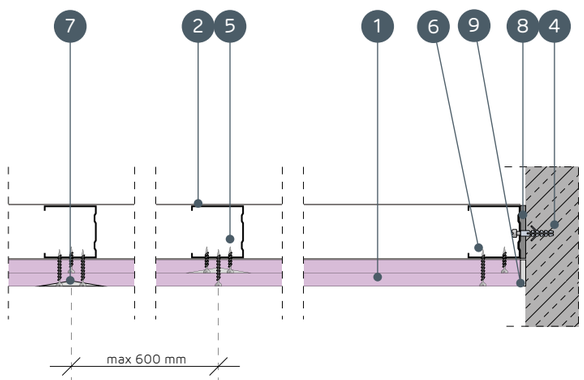
SYSTEMS:
100A75; 102,5A75; 105A75

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida C75 profile
3. Nida U75 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. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
8. Sealing tape for Nida acoustic insulation
9. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
100A75/Expert	Expert	2x12,5	A	C75	600	glass wool/rock wool	50	12	3500	37	35	31	19,0	-	-
100A75/Woda [3]	Woda	2x12,5	H2	C75	600	glass wool/rock wool	50	12	3500	37	35	31	19,0	-	-
100A75/OgieńTypF	Ogień Typ F	2x12,5	F	C75	600	glass wool/rock wool	50	12	4000	37	35	31	20,0	(R)EI30	-
100A75/Ogień+	Ogień Plus	2x12,5	DF	C75	600	glass wool/rock wool	50	12	3500	40	38	35	23,0	(R)EI30	-
100A75/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	C75	600	glass wool/rock wool	50	12	3500	40	38	35	23,0	(R)EI30	-
100A75/Cicha	Cicha	2x12,5	DFH1IR	C75	600	glass wool/rock wool	50	12	3500	40	38	35	28,0	(R)EI30	●
100A75/Twarda	Twarda	2x12,5	DEFH1IR	C75	600	glass wool/rock wool	50	12	3500	40	38	35	28,0	(R)EI30	●
100A75/Hydro	Hydro	2x12,5	GMFH1I	C75	600	glass wool/rock wool	50	12	3500	40	38	35	24,0	(R)EI30	●
102,5A75/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	C75	600	glass wool/rock wool	50	12	4000	40	38	35	27,0	(R)EI60	-
105A75/Ogień+	Ogień Plus	2x15,0	DF	C75	600	glass wool/rock wool	50	12	4000	41	40	37	30,0	(R)EI60	-
105A75/Twarda	Twarda	2x15,0	DEFH1IR	C75	600	glass wool/rock wool	50	12	4000	41	40	37	33,0	(R)EI60	●
105A75/Hydro	Hydro	2x15,0	GMFH1I	C75	600	glass wool/rock wool	50	12	4000	41	40	37	30,0	(R)EI60	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht											
		100A75/ Expert	100A75/Woda	100A75/ OgieńTypF	100A75/ Ogień+	100A75/ WodaOgień+	100A75/Cicha	100A75/ Twarda	100A75/ Hydro	102,5A75/ Ogień+	105A75/ Ogień+	105A75/ Twarda	105A75/ Hydro
		Consumption of material per 1m²											
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	2,0	-	-	-	-	-	-	-	-	-	-
Nida Ogień Typ F 12.5 mm plasterboard	m²	-	-	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	-	2,0	-	-	-	-	1,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	2,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Hydro 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
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
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
Nida 3.5x25 mm sheet metal screws	pcs.	4,0	4,0	4,0	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	12,0	12,0	12,0	12,0	12,0	-	-	-	-	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	12,0	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	12,0	12,0	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [6]	kg	-	-	-	-	-	-	0,7	0,7	-	-	0,7	0,7
Mineral wool [7]	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

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

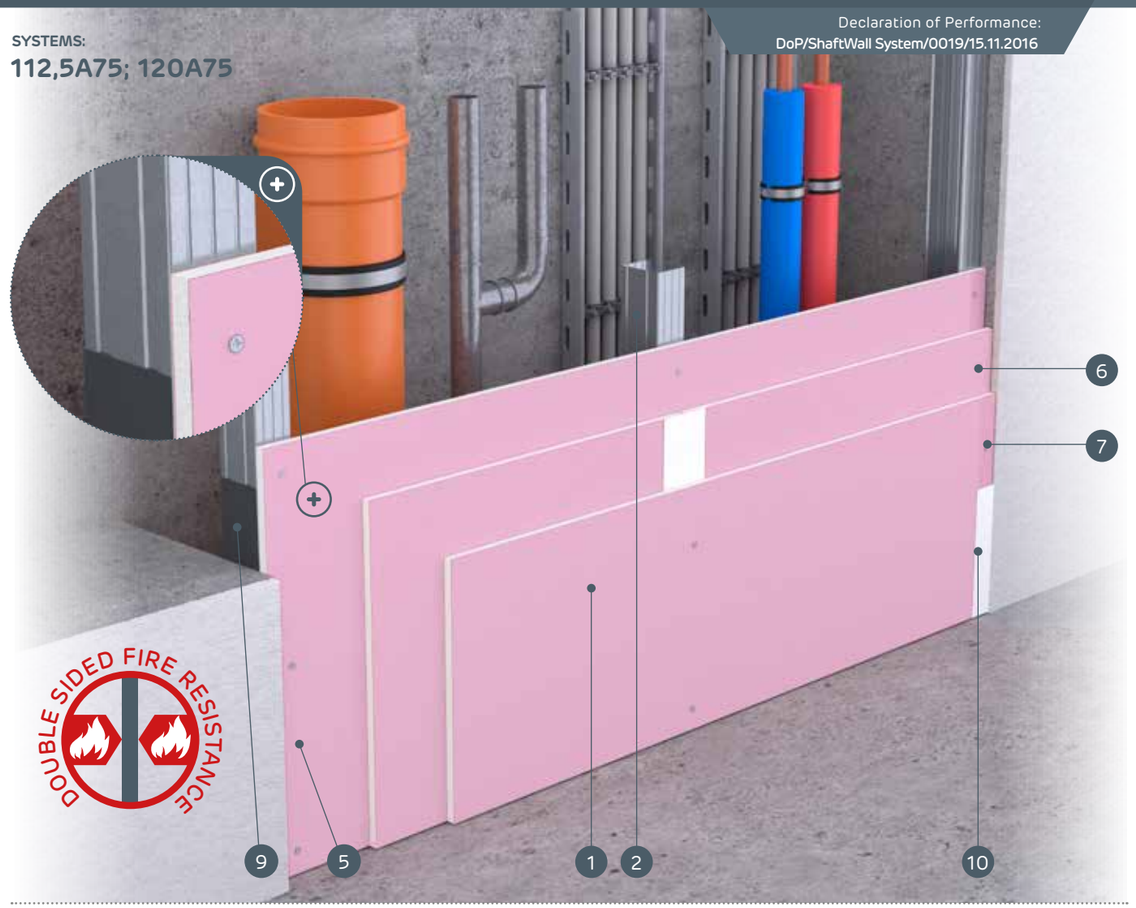
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60 (R)EI120	41 dB	4000 mm	33,0-43,0 kg	ETA 15/0301

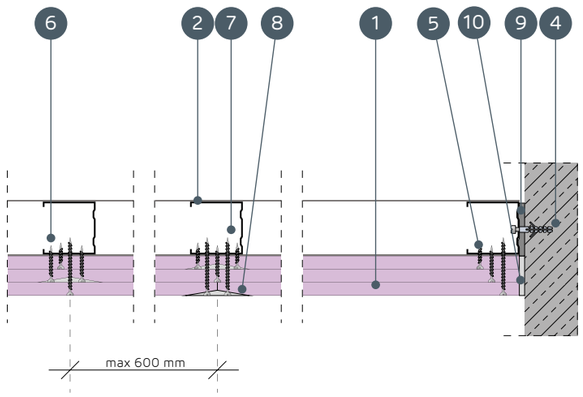
SYSTEMS:
112,5A75; 120A75

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida C75 profile
3. Nida U75 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. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
112,5A75/Ogień+	Ogień Plus	3x12,5	DF	C75	600	glass wool/rock wool	50	12	4000	41	40	37	33,0	(R)EI60	-
112,5A75/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	C75	600	glass wool/rock wool	50	12	4000	41	40	37	33,0	(R)EI60	-
112,5A75/Cicha	Cicha	3x12,5	DFH1IR	C75	600	glass wool/rock wool	50	12	4000	41	40	37	41,0	(R)EI60	●
112,5A75/Twarda	Twarda	3x12,5	DEFH1IR	C75	600	glass wool/rock wool	50	12	4000	41	40	37	41,0	(R)EI60	●
112,5A75/Hydro	Hydro	3x12,5	GMFH1I	C75	600	glass wool/rock wool	50	12	4000	41	40	37	35,0	(R)EI60	●
120A75/Ogień+ [3]	Ogień Plus	3x15,0	DF	C75	600	glass wool/rock wool	50	12	4000	41	40	37	43,0	(R)EI120	-
120A75/WodaOgień+ [3]	Woda Ogień Plus	3x15,0	DFH2	C75	600	glass wool/rock wool	50	12	4000	41	40	37	43,0	(R)EI120	-

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht						
		112,5A75/ Ogień+	112,5A75/ WodaOgień+	112,5A75/Cicha	112,5A75/ Twarda	112,5A75/Hydro	120A75/Ogień+	120A75/ WodaOgień+
		Consumption of material per 1m²						
Nida Ogień Plus 12.5 mm plasterboard	m²	3,0	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	3,0	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	3,0	-
Nida Woda Ogień Plus 15.0 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.	4,0	4,0	-	-	-	4,0	4,0
Nida 3.5x35 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	-	4,0	4,0
Nida 3.5x55 mm sheet metal screws	pcs.	12,0	12,0	-	-	-	-	-
Nida 4.2x70 mm sheet metal screws	pcs.	-	-	-	-	-	12,0	12,0
FixDens 4.2x25 mm screws	pcs.	-	-	4,0	4,0	-	-	-
FixDens 4.2x42 mm screws	pcs.	-	-	4,0	4,0	-	-	-
FixDens 4.2x60 mm screws	pcs.	-	-	12,0	12,0	-	-	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	12,0	-	-
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,1	0,1	0,1	-	-	0,1	0,1
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	1,0	1,0	-	-
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
The standards concerning the amount of utilised material do not cover the loss of the material.

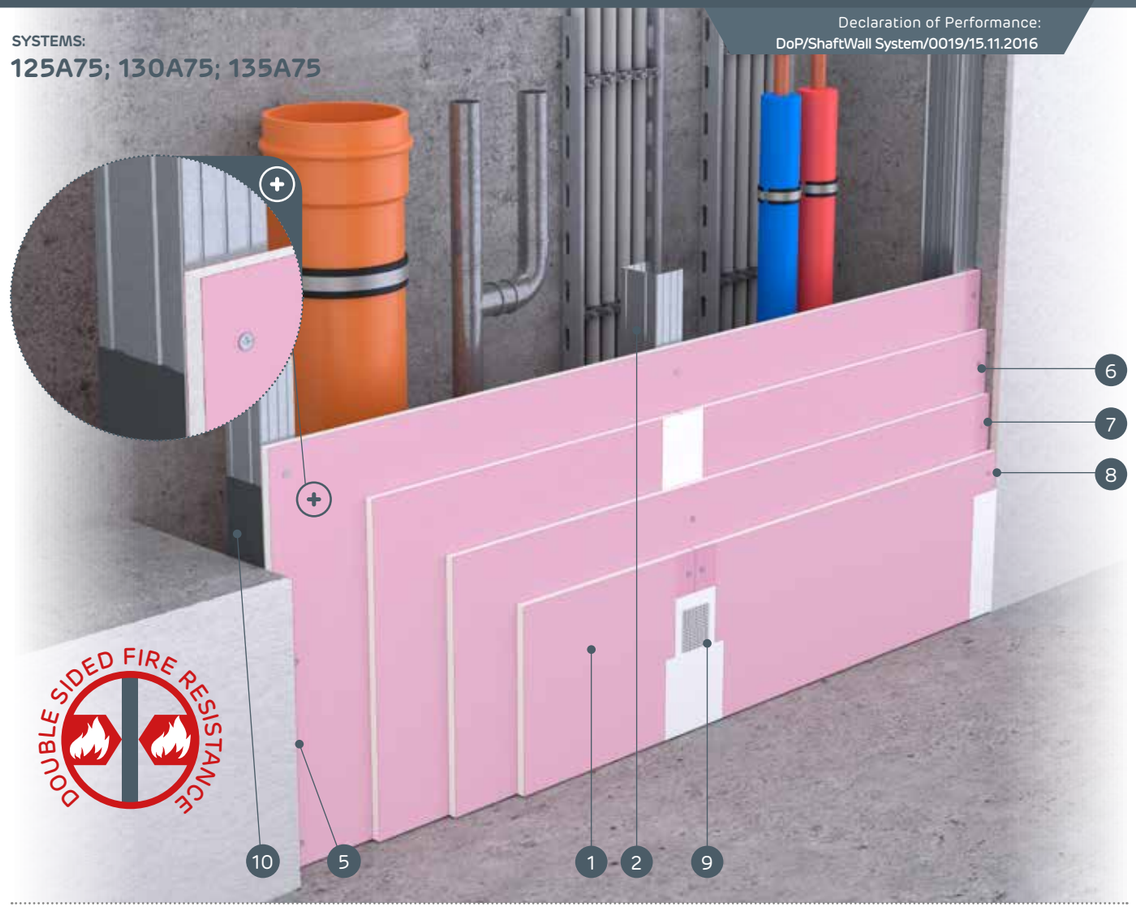
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI90 (R)EI120	44 dB	4500 mm	43,0-65,0 kg	ETA 15/0301

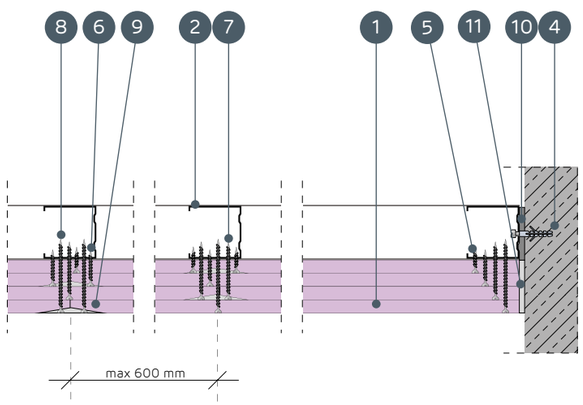
SYSTEMS:
125A75; 130A75; 135A75

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida C75 profile
3. Nida U75 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. Nida 4.2 x 70 mm sheet metal screws
9. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
10. Sealing tape for Nida acoustic insulation
11. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation [3]			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
125A75/Ogień+	Ogień Plus	4x12,5	DF	C75	600	glass wool/rock wool	75	14	4250	43	41	38	43,0	(R)EI90	-
125A75/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	C75	600	glass wool/rock wool	75	14	4250	43	41	38	43,0	(R)EI90	-
125A75/Cicha	Cicha	4x12,5	DFH1IR	C75	600	glass wool/rock wool	75	14	4250	43	41	38	54,0	(R)EI90	●
125A75/Twarda	Twarda	4x12,5	DEFH1IR	C75	600	glass wool/rock wool	75	14	4250	43	41	38	54,0	(R)EI90	●
125A75/Hydro	Hydro	4x12,5	GMFH1I	C75	600	glass wool/rock wool	75	14	4250	43	41	38	46,0	(R)EI90	●
130A75/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	C75	600	glass wool/rock wool	75	14	4250	43	41	38	50,0	(R)EI120	-
135A75/Ogień+	Ogień Plus	4x15,0	DF	C75	600	glass wool/rock wool	75	14	4500	44	42	40	57,0	(R)EI120	-
135A75/Twarda	Twarda	4x15,0	DEFH1IR	C75	600	glass wool/rock wool	75	14	4500	44	42	40	65,0	(R)EI120	●
135A75/Hydro	Hydro	4x15,0	GMFH1I	C75	600	glass wool/rock wool	75	14	4500	44	42	40	57,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht								
		125A75/ Ogień+	125A75/ WodaOgień+	125A75/ Cicha	125A75/ Twarda	125A75/ Hydro	130A75/ Ogień+	135A75/ Ogień+	135A75/ Twarda	135A75/ Hydro
		Consumption of material per 1m²								
Nida Ogień Plus 12.5 mm plasterboard	m²	4,0	-	-	-	-	2,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	4,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	4,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-
Nida Hydro 15.0 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
Nida U75 profile	lm	0,7	0,7	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	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	-	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	-	4,0	4,0	-	-
Nida 3.5x55 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 4.2x70 mm sheet metal screws	pcs.	12,0	12,0	-	-	-	12,0	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.2x60 mm screws	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.5x80 mm screws	pcs.	-	-	12,0	12,0	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 4.2x70 mm sheet metal screws	pcs.	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	1,3	1,3	-	-	1,3	1,3
Mineral wool [6]	m²	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] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements
The standards concerning the amount of utilised material do not cover the loss of the material.

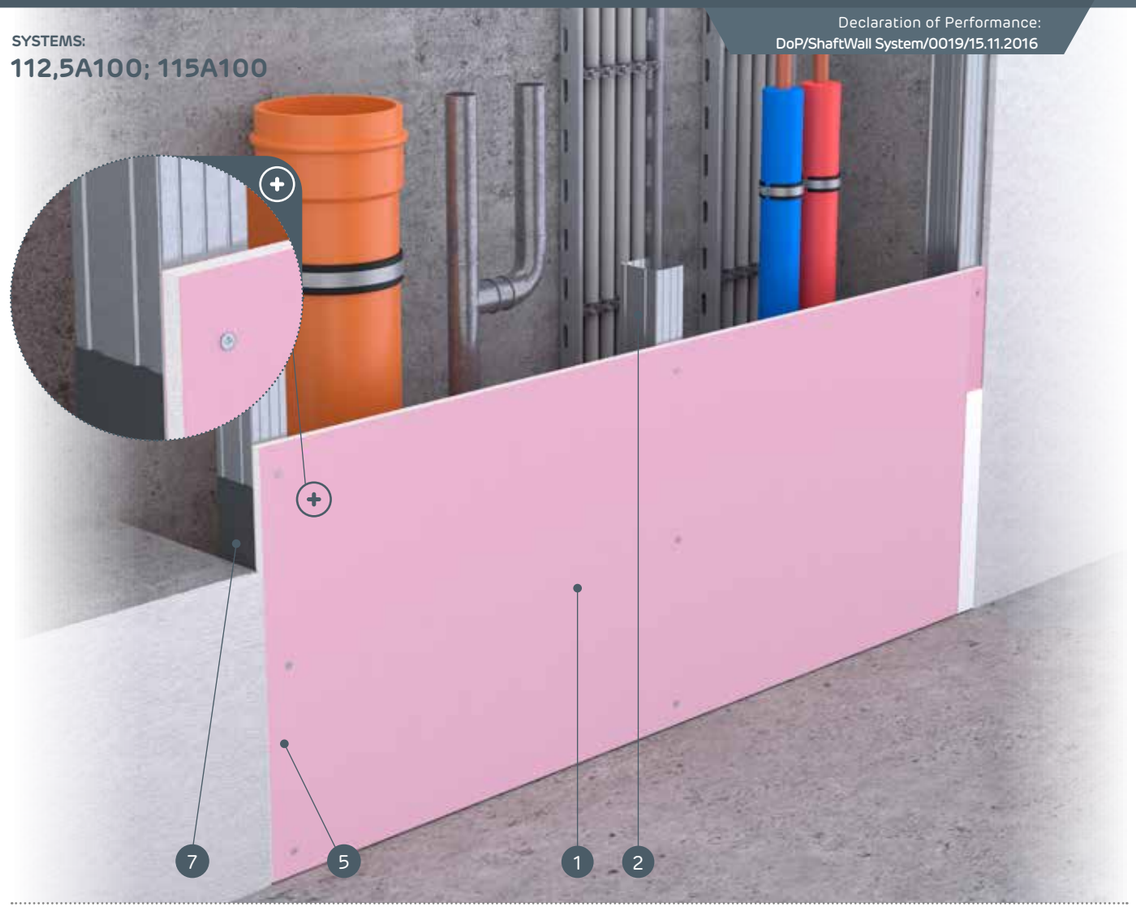
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
N/A	36 dB	5000 mm	12,0-19,0 kg	ETA 15/0301

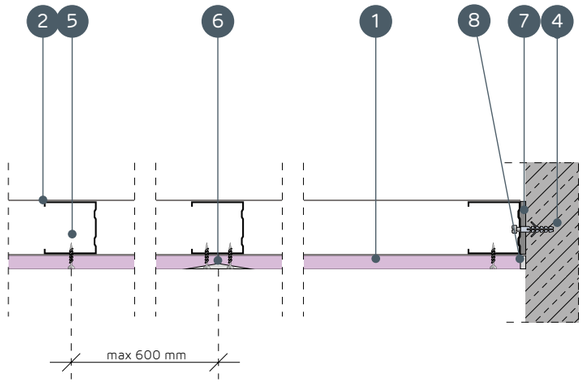
SYSTEMS:
112,5A100; 115A100

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida C100 profile
3. Nida U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
7. Sealing tape for Nida acoustic insulation
8. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
112,5A100/Expert	Expert	12,5	A	C100	600	glass wool/rock wool	50	12	5000	34	32	28	12,0	-	-
112,5A100/Woda [2]	Woda	12,5	H2	C100	600	glass wool/rock wool	50	12	5000	34	32	28	12,0	-	-
112,5A100/Ogień+	Ogień Plus	12,5	DF	C100	600	glass wool/rock wool	50	12	5000	36	34	30	14,0	-	-
112,5A100/WodaOgień+	Woda Ogień Plus	12,5	DFH2	C100	600	glass wool/rock wool	50	12	5000	36	34	30	14,0	-	-
112,5A100/Cicha	Cicha	12,5	DFH1IR	C100	600	glass wool/rock wool	50	12	5000	36	34	30	17,0	-	●
112,5A100/Twarda	Twarda	12,5	DEFH1IR	C100	600	glass wool/rock wool	50	12	5000	36	34	30	17,0	-	●
112,5A100/Hydro	Hydro	12,5	GMFH1I	C100	600	glass wool/rock wool	50	12	5000	36	34	30	15,0	-	●
115A100/Ogień+	Ogień Plus	15,0	DF	C100	600	glass wool/rock wool	50	12	5000	36	34	30	17,0	-	-
115A100/Twarda	Twarda	15,0	DEFH1IR	C100	600	glass wool/rock wool	50	12	5000	36	34	30	19,0	-	●
115A100/Hydro	Hydro	15,0	GMFH1I	C100	600	glass wool/rock wool	50	12	5000	36	34	30	17,0	-	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] 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.)

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht									
		112,5A100/Expert	112,5A100/Woda	112,5A100/Ogień+	112,5A100/WodaOgień+	112,5A100/Cicha	112,5A100/Twarda	112,5A100/Hydro	115A100/Ogień+	115A100/Twarda	115A100/Hydro
		Consumption of material per 1m²									
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	1,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	1,0	-	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	1,0	-	-	-	-	-	-
Nida Cicha 12.5 mm plasterboard	m²	-	-	-	-	1,0	-	-	-	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	-	-	-	1,0	-	-	-	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	-	-	-	1,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	1,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	1,0
Nida C100 profile	lm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Nida U100 profile	lm	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
Anchoring element [3]	pcs.	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.	12,0	12,0	12,0	12,0	-	-	-	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	12,0	12,0	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	12,0	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	0,3	0,3	0,3	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler [4]	kg	-	-	-	-	-	0,4	0,4	-	0,4	0,4
Mineral wool [5]	m²	1,0	1,0	1,0	1,0	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
The standards concerning the amount of utilised material do not cover the loss of the material.

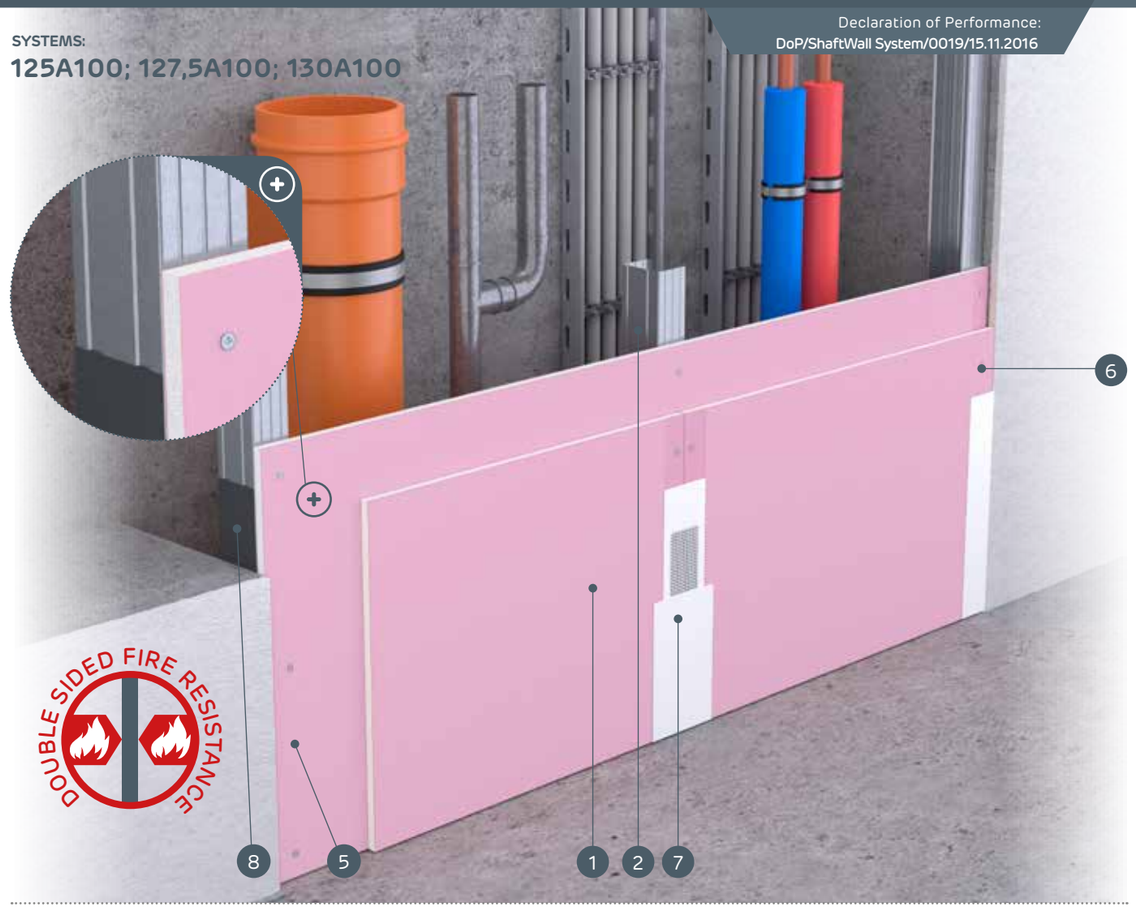
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI30 (R)EI60	41 dB	5000 mm	20,0-34,0 kg	ETA 15/0301

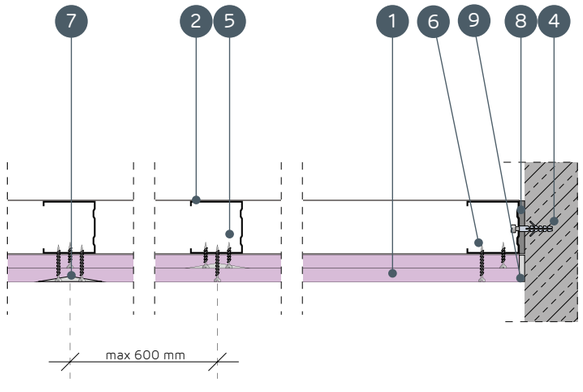
SYSTEMS:
125A100; 127,5A100; 130A100

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida C100 profile
3. Nida 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. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
8. Sealing tape for Nida acoustic insulation
9. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
125A100/Expert	Expert	2x12,5	A	C100	600	glass wool/rock wool	50	12	4500	37	35	31	20,0	-	-
125A100/Woda [3]	Woda	2x12,5	H2	C100	600	glass wool/rock wool	50	12	4500	37	35	31	20,0	-	-
125A100/OgieńTypF	Ogień Typ F	2x12,5	F	C100	600	glass wool/rock wool	50	12	5000	37	35	31	21,0	(R)EI30	-
125A100/Ogień+	Ogień Plus	2x12,5	DF	C100	600	glass wool/rock wool	50	12	4500	40	38	35	24,0	(R)EI30	-
125A100/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	C100	600	glass wool/rock wool	50	12	4500	40	38	35	24,0	(R)EI30	-
125A100/Cicha	Cicha	2x12,5	DFH1IR	C100	600	glass wool/rock wool	50	12	4500	40	38	35	29,0	(R)EI30	●
125A100/Twarda	Twarda	2x12,5	DEFH1IR	C100	600	glass wool/rock wool	50	12	4500	40	38	35	29,0	(R)EI30	●
125A100/Hydro	Hydro	2x12,5	GMFH1I	C100	600	glass wool/rock wool	50	12	4500	40	38	35	25,0	(R)EI30	●
127,5A100/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	C100	600	glass wool/rock wool	50	12	5000	40	38	35	28,0	(R)EI60	-
130A100/Ogień+	Ogień Plus	2x15,0	DF	C100	600	glass wool/rock wool	50	12	5000	41	40	37	31,0	(R)EI60	-
130A100/Twarda	Twarda	2x15,0	DEFH1IR	C100	600	glass wool/rock wool	50	12	5000	41	40	37	34,0	(R)EI60	●
130A100/Hydro	Hydro	2x15,0	GMFH1I	C100	600	glass wool/rock wool	50	12	5000	41	40	37	31,0	(R)EI60	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht											
		125A100/ Expert	125A100/ Woda	125A100/ OgieńTypF	125A100/ Ogień+	125A100/ WodaOgień+	125A100/ Cicha	125A100/ Twarda	125A100/ Hydro	127,5A100/ Ogień+	130A100/ Ogień+	130A100/ Twarda	130A100/ Hydro
		Consumption of material per 1m²											
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	2,0	-	-	-	-	-	-	-	-	-	-
Nida Ogień Typ F 12.5 mm plasterboard	m²	-	-	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	-	2,0	-	-	-	-	1,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	2,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Hydro 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
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
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
Nida 3.5x25 mm sheet metal screws	pcs.	4,0	4,0	4,0	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	12,0	12,0	12,0	12,0	12,0	-	-	-	-	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	12,0	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	12,0	12,0	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [6]	kg	-	-	-	-	-	-	0,7	0,7	-	-	0,7	0,7
Mineral wool [7]	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

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

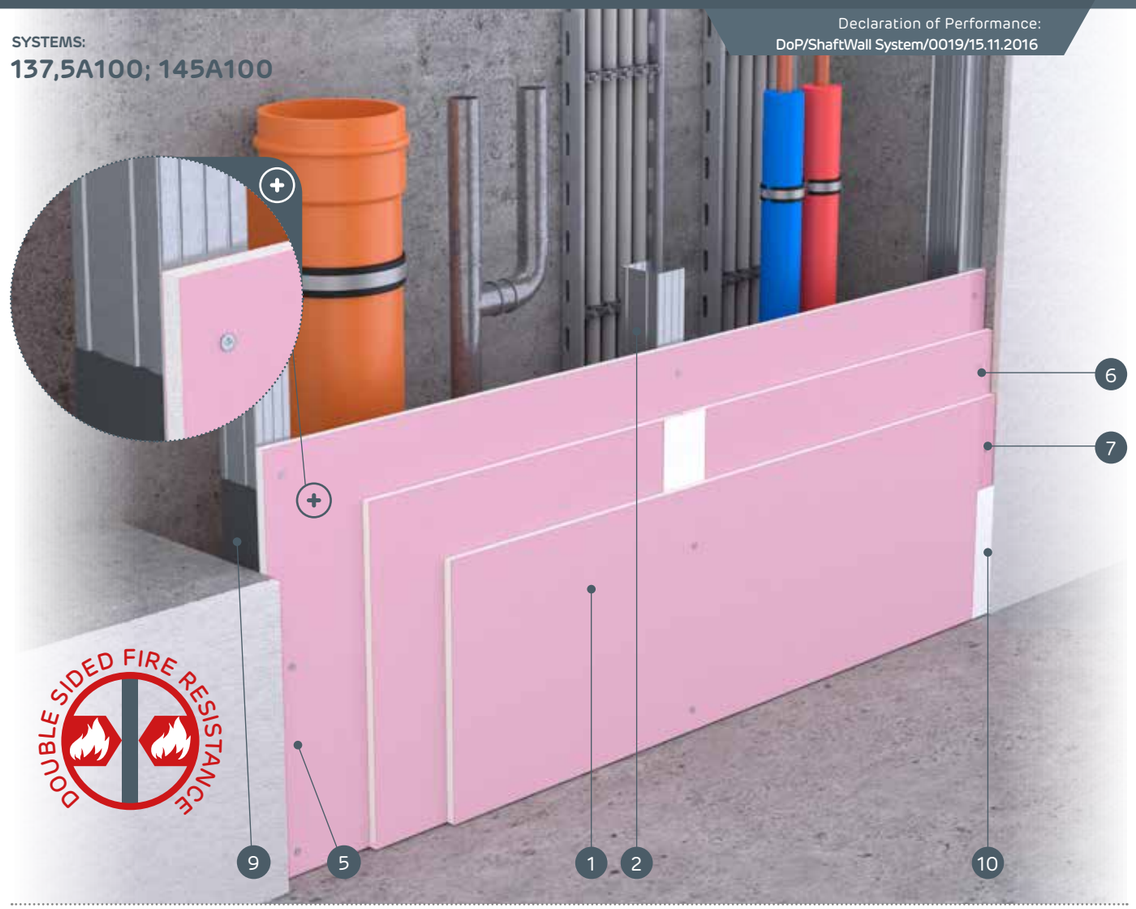
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60 (R)EI120	45 dB	5000 mm	34,0-44,0 kg	ETA 15/0301

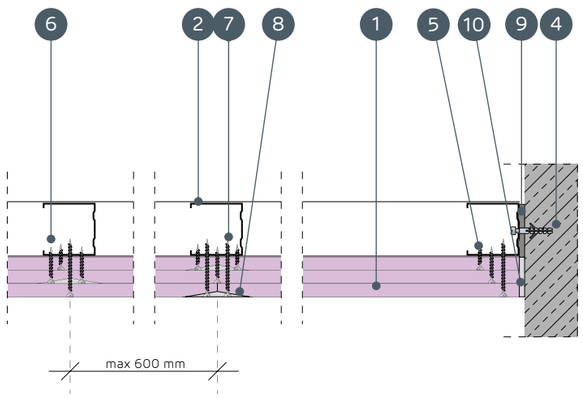
SYSTEMS:
137,5A100; 145A100

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida C100 profile
3. Nida 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. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
137,5A100/Ogień+	Ogień Plus	3x12,5	DF	C100	600	glass wool/rock wool	100	12	5000	45	44	39	34,0	(R)EI60	-
137,5A100/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	C100	600	glass wool/rock wool	100	12	5000	45	44	39	34,0	(R)EI60	-
137,5A100/Cicha	Cicha	3x12,5	DFH1IR	C100	600	glass wool/rock wool	100	12	5000	45	44	39	42,0	(R)EI60	●
137,5A100/Twarda	Twarda	3x12,5	DEFH1IR	C100	600	glass wool/rock wool	100	12	5000	45	44	39	42,0	(R)EI60	●
137,5A100/Hydro	Hydro	3x12,5	GMFH1I	C100	600	glass wool/rock wool	100	12	5000	45	44	39	36,0	(R)EI60	●
145A100/Ogień+ [3]	Ogień Plus	3x15,0	DF	C100	600	glass wool/rock wool	100	12	5000	45	44	39	44,0	(R)EI120	-
145A100/WodaOgień+ [3]	Woda Ogień Plus	3x15,0	DFH2	C100	600	glass wool/rock wool	100	12	5000	45	44	39	44,0	(R)EI120	-

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht						
		137,5A100/ Ogień+	137,5A100/ WodaOgień+	137,5A100/ Cicha	137,5A100/ Twarda	137,5A100/ Hydro	145A100/ Ogień+	145A100/ WodaOgień+
		Consumption of material per 1m²						
Nida Ogień Plus 12.5 mm plasterboard	m²	3,0	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	3,0	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	3,0	-
Nida Woda Ogień Plus 15.0 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.	4,0	4,0	-	-	-	4,0	4,0
Nida 3.5x35 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	-	4,0	4,0
Nida 3.5x55 mm sheet metal screws	pcs.	12,0	12,0	-	-	-	-	-
Nida 4.2x70 mm sheet metal screws	pcs.	-	-	-	-	-	12,0	12,0
FixDens 4.2x25 mm screws	pcs.	-	-	4,0	4,0	-	-	-
FixDens 4.2x42 mm screws	pcs.	-	-	4,0	4,0	-	-	-
FixDens 4.2x60 mm screws	pcs.	-	-	12,0	12,0	-	-	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	12,0	-	-
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,1	0,1	0,1	-	-	0,1	0,1
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	1,0	1,0	-	-
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
The standards concerning the amount of utilised material do not cover the loss of the material.

ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

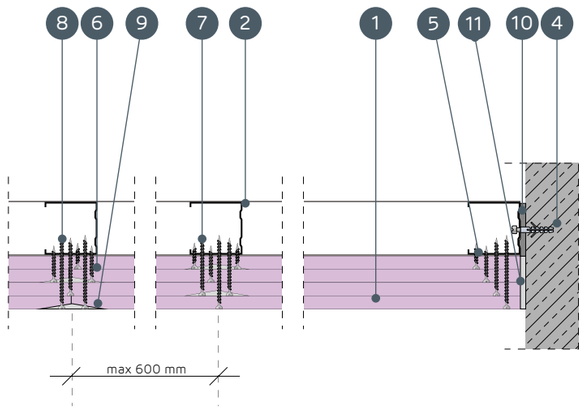
Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI90 (R)EI120	45 dB	5500 mm	44,0-66,0 kg	ETA 15/0301

SYSTEMS:
150A100; 155A100; 160A100

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016

MATERIALS:

1. Nida plasterboard
2. Nida C100 profile
3. Nida 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. Nida 4.2 x 70 mm sheet metal screws
9. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
10. Sealing tape for Nida acoustic insulation
11. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA C100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation [3]			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
150A100/Ogień+	Ogień Plus	4x12,5	DF	C100	600	glass wool/rock wool	100	14	5000	44	42	39	44,0	(R)EI90	-
150A100/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	C100	600	glass wool/rock wool	100	14	5000	44	42	39	44,0	(R)EI90	-
150A100/Cicha	Cicha	4x12,5	DFH1IR	C100	600	glass wool/rock wool	100	14	5000	44	42	39	55,0	(R)EI90	●
150A100/Twarda	Twarda	4x12,5	DEFH1IR	C100	600	glass wool/rock wool	100	14	5000	44	42	39	55,0	(R)EI90	●
150A100/Hydro	Hydro	4x12,5	GMFH1I	C100	600	glass wool/rock wool	100	14	5000	44	42	39	47,0	(R)EI90	●
155A100/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	C100	600	glass wool/rock wool	100	14	5000	44	42	39	51,0	(R)EI120	-
160A100/Ogień+	Ogień Plus	4x15,0	DF	C100	600	glass wool/rock wool	100	14	5500	45	44	40	58,0	(R)EI120	-
160A100/Twarda	Twarda	4x15,0	DEFH1IR	C100	600	glass wool/rock wool	100	14	5500	45	44	40	66,0	(R)EI120	●
160A100/Hydro	Hydro	4x15,0	GMFH1I	C100	600	glass wool/rock wool	100	14	5500	45	44	40	58,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht								
		150A100/ Ogień+	150A100/ WodaOgień+	150A100/ Cicha	150A100/ Twarda	150A100/ Hydro	155A100/ Ogień+	160A100/ Ogień+	160A100/ Twarda	160A100/ Hydro
		Consumption of material per 1m²								
Nida Ogień Plus 12.5 mm plasterboard	m²	4,0	-	-	-	-	2,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	4,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	4,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-
Nida Hydro 15.0 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
Nida U100 profile	lm	0,7	0,7	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	0,9	0,9
Nida 3.5x25 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	-	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	-	4,0	4,0	-	-
Nida 3.5x55 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 4.2x70 mm sheet metal screws	pcs.	12,0	12,0	-	-	-	12,0	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.2x60 mm screws	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.5x80 mm screws	pcs.	-	-	12,0	12,0	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 4.2x70 mm sheet metal screws	pcs.	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	1,3	1,3	-	-	1,3	1,3
Mineral wool [6]	m²	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] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements
The standards concerning the amount of utilised material do not cover the loss of the material.

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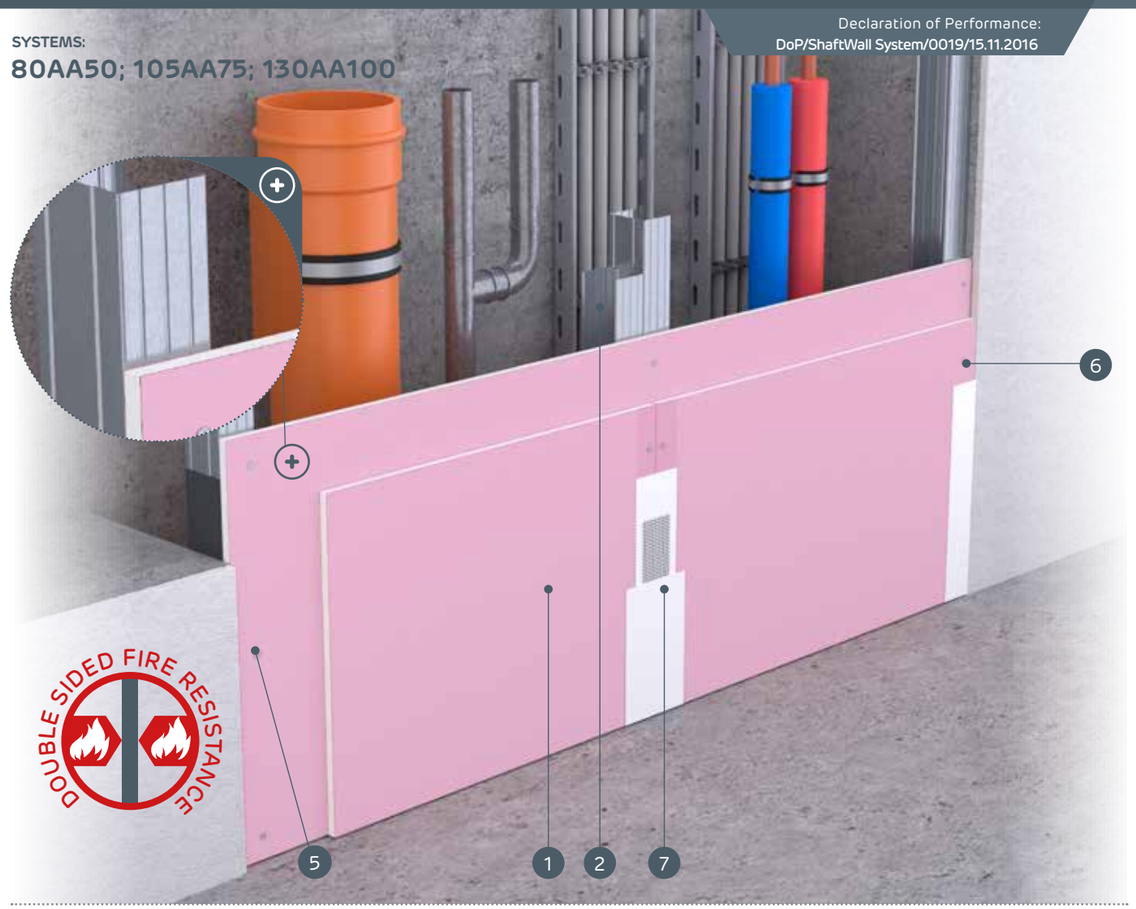
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60	N/A	6500 mm	31,0-35,0 kg	ETA 15/0301

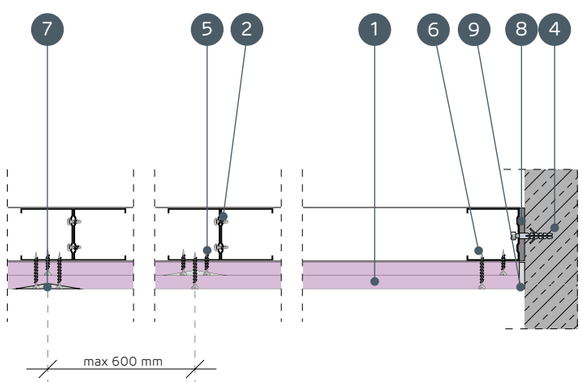
SYSTEMS:
80AA50; 105AA75; 130AA100

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida 2x C50 / C75 / C100 profile (profiles screwed together by their webs with utilisation of FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm thick metal sheet)
3. Nida U50 profile / U75 / U100
4. Anchoring element
5. Nida 3.5 x 25 mm sheet metal screws
6. Nida 3.5 x 45 mm sheet metal screws
7. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
8. Sealing tape for Nida acoustic insulation
9. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA CC50, CC75, CC100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
80AA50/Ogień+	Ogień Plus	2x15,0	DF	2xC50	600	optional	-	-	5500	-	-	-	31,0	(R)EI60	-
80AA50/Twarda	Twarda	2x15,0	DEFH1IR	2xC50	600	optional	-	-	5500	-	-	-	34,0	(R)EI60	●
80AA50/Hydro	Hydro	2x15,0	GMFH1I	2xC50	600	optional	-	-	5500	-	-	-	31,0	(R)EI60	●
105AA75/Ogień+	Ogień Plus	2x15,0	DF	2xC75	600	optional	-	-	6000	-	-	-	31,0	(R)EI60	-
105AA75/Twarda	Twarda	2x15,0	DEFH1IR	2xC75	600	optional	-	-	6000	-	-	-	34,0	(R)EI60	●
105AA75/Hydro	Hydro	2x15,0	GMFH1I	2xC75	600	optional	-	-	6000	-	-	-	31,0	(R)EI60	●
130AA100/Ogień+	Ogień Plus	2x15,0	DF	2xC100	600	optional	-	-	6500	-	-	-	32,0	(R)EI60	-
130AA100/Twarda	Twarda	2x15,0	DEFH1IR	2xC100	600	optional	-	-	6500	-	-	-	35,0	(R)EI60	●
130AA100/Hydro	Hydro	2x15,0	GMFH1I	2xC100	600	optional	-	-	6500	-	-	-	32,0	(R)EI60	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht								
		80AA50/ Ogień+	80AA50/ Twarda	80AA50/ Hydro	105AA75/ Ogień+	105AA75/ Twarda	105AA75/ Hydro	130AA100/ Ogień+	130AA100/ Twarda	130AA100/ Hydro
		Consumption of material per 1m²								
Nida Ogień Plus 15.0 mm plasterboard	m²	2,0	-	-	2,0	-	-	2,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	2,0	-	-	2,0	-	-	2,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	2,0	-	-	2,0	-	-	2,0
Nida C50 profile	lm	3,6	3,6	3,6	-	-	-	-	-	-
Nida C75 profile	lm	-	-	-	3,6	3,6	3,6	-	-	-
Nida C100 profile	lm	-	-	-	-	-	-	3,6	3,6	3,6
Nida U50 profile	lm	0,7	0,7	0,7	-	-	-	-	-	-
Nida U75 profile	lm	-	-	-	0,7	0,7	0,7	-	-	-
Nida U100 profile	lm	-	-	-	-	-	-	0,7	0,7	0,7
Anchoring element [3]	pcs.	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.	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.	4,0	-	-	4,0	-	-	4,0	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	12,0	-	-	12,0	-	-	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	4,0	-	-	4,0	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	12,0	-	-	12,0	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	4,0	-	-	4,0	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	12,0	-	-	12,0	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	-	-
Nida Finish gypsum putty	kg	0,1	-	-	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler [4]	kg	-	0,7	0,7	-	0,7	0,7	-	0,7	0,7
Mineral wool [5]	m²	1,0	1,0	1,0	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
The standards concerning the amount of utilised material do not cover the loss of the material.

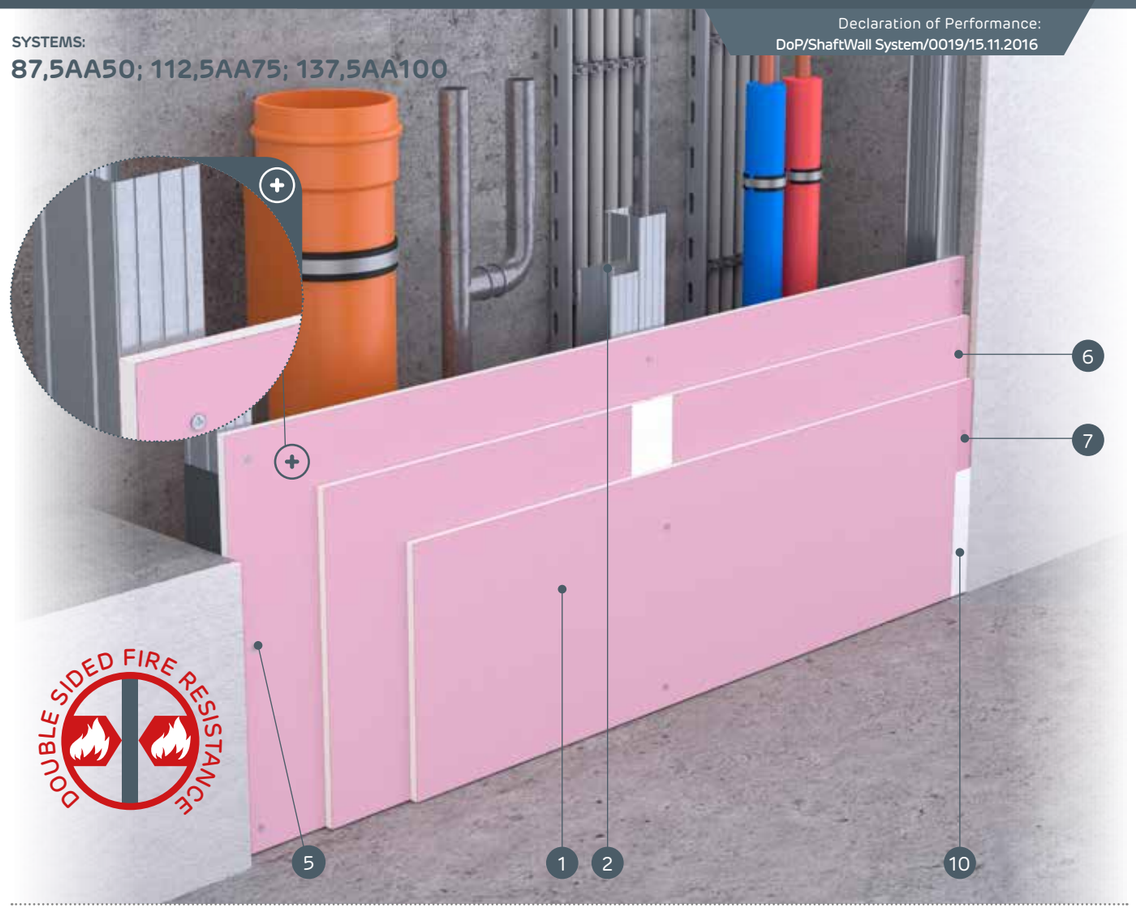
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60	N/A	6500 mm	33,0-42,0 kg	ETA 15/0301

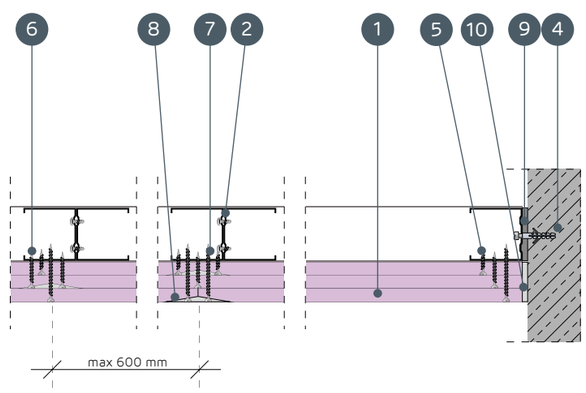
SYSTEMS:
87,5AA50; 112,5AA75; 137,5AA100

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida 2x C50 / C75 / C100 profile (profiles screwed together by their webs with utilisation of FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm thick metal sheet)
3. Nida U50 profile / U75 / U100
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. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass



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THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA CC50, CC75, CC100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
87,5AA50/Ogień+ [3]	Ogień Plus	3x12,5	DF	2xC50	600	optional	-	-	5500	-	-	-	33,0	(R)EI60	-
87,5AA50/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	2xC50	600	optional	-	-	5500	-	-	-	33,0	(R)EI60	-
87,5AA50/Twarda	Twarda	3x12,5	DEFH1IR	2xC50	600	optional	-	-	5500	-	-	-	41,0	(R)EI60	●
87,5AA50/Hydro	Hydro	3x12,5	GMFH1I	2xC50	600	optional	-	-	5500	-	-	-	35,0	(R)EI60	●
112,5AA75/Ogień+ [3]	Ogień Plus	3x12,5	DF	2xC75	600	optional	-	-	6000	-	-	-	33,0	(R)EI60	-
112,5AA75/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	2xC75	600	optional	-	-	6000	-	-	-	33,0	(R)EI60	-
112,5AA75/Twarda	Twarda	3x12,5	DEFH1IR	2xC75	600	optional	-	-	6000	-	-	-	41,0	(R)EI60	●
112,5AA75/Hydro	Hydro	3x12,5	GMFH1I	2xC75	600	optional	-	-	6000	-	-	-	35,0	(R)EI60	●
137,5AA100/Ogień+ [3]	Ogień Plus	3x12,5	DF	2xC100	600	optional	-	-	6500	-	-	-	34,0	(R)EI60	-
137,5AA100/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	2xC100	600	optional	-	-	6500	-	-	-	34,0	(R)EI60	-
137,5AA100/Twarda	Twarda	3x12,5	DEFH1IR	2xC100	600	optional	-	-	6500	-	-	-	42,0	(R)EI60	●
137,5AA100/Hydro	Hydro	3x12,5	GMFH1I	2xC100	600	optional	-	-	6500	-	-	-	36,0	(R)EI60	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] Replacement with the NIDA Cicha type DFH1IR plasterboard is acceptable. When such replacement takes place, the screws for the Nida Twarda boards should be utilised.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht											
		87,5AA50/ Ogień+	87,5AA50/ WodaOgień+	87,5AA50/ Twarda	87,5AA50/ Hydro	112,5AA75/ Ogień+	112,5AA75/ WodaOgień+	112,5AA75/ Twarda	112,5AA75/ Hydro	137,5AA100/ Ogień+	137,5AA100/ WodaOgień+	137,5AA100/ Twarda	137,5AA100/ Hydro
		Consumption of material per 1m²											
Nida Ogień Plus 12.5 mm plasterboard	m²	3,0	-	-	-	3,0	-	-	-	3,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	3,0	-	-	-	3,0	-	-	-	3,0	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	3,0	-	-	-	3,0	-	-	-	3,0	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	3,0	-	-	-	3,0	-	-	-	3,0
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	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
FLAT HEAD 4,2x13 mm self-drilling screws 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
Nida 3.5x25 mm sheet metal screws	pcs.	4,0	4,0	-	-	4,0	4,0	-	-	4,0	4,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	4,0	4,0	-	-	4,0	4,0	-	-	4,0	4,0	-	-
Nida 3.5x55 mm sheet metal screws	pcs.	12,0	12,0	-	-	12,0	12,0	-	-	12,0	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	4,0	-	-	-	4,0	-	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	-	4,0	-	-	-	4,0	-	-	-	4,0	-
FixDens 4.2x60 mm screws	pcs.	-	-	12,0	-	-	-	12,0	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	4,0	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	4,0	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-		12,0	-	-		12,0	-	-		12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,9	0,9	-	-	0,9	0,9	-	-	0,9	0,9	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	1,0	1,0	-	-	1,0	1,0	-	-	1,0	1,0
Mineral wool [6]	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] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements
The standards concerning the amount of utilised material do not cover the loss of the material.

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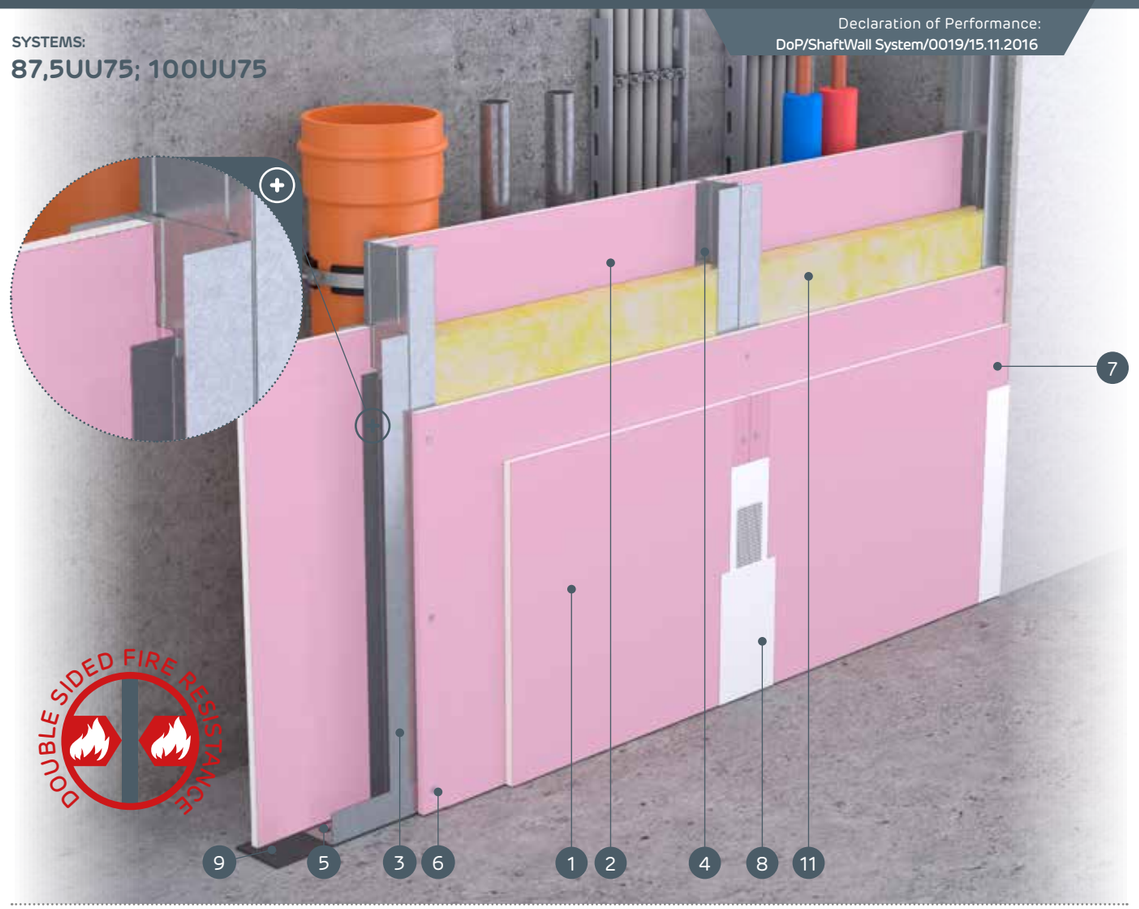
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60 (R)EI90	52 dB	5400 mm	26,0-44,0 kg	ETA 15/0301

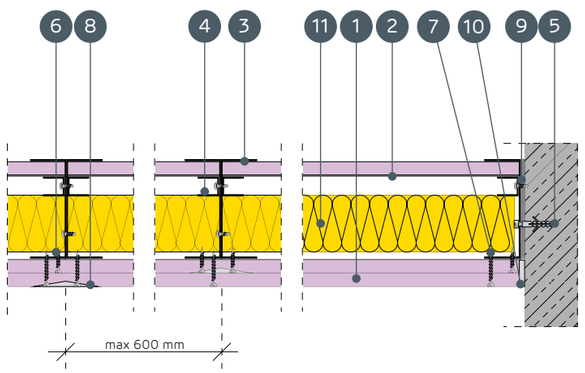
SYSTEMS:
87,5UU75; 100UU75

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida Ogień Plus 2x12,5 mm plasterboard *
2. Nida Ogień Plus 1x12,5 mm plasterboard *
3. Nida 2xU75 profile (profiles screwed together by their webs with utilisation of FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm thick metal sheet)
4. Nida UD27 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. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass
11. Insulation material mineral wool



* As an alternative the Nida Woda Ogień Plus should be utilised.

THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UU75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure			Insulation material			Maximum height [1]	Acoustic insulation [2]			Weight of 1m² of encasement	Fire resistance class [3]	Special system
				Type of Nida profile	Auxiliary Nida profile type	Axial spacing between Nida profiles	Within the range of the acoustic insulation i ogniowej									
	Nida	Thickness [mm]	Marking acc. to standard			[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
87,5UU75/Ogień+	Ogień Plus	1x12,5 + 1x12,5	DF	2xU75	2xUD27	600	rock wool	50	29	5210	43	39	32	26,0	(R)EI60	●
87,5UU75/WodaOgień+	Woda Ogień Plus	1x12,5 + 1x12,5	DFH2	2xU75	2xUD27	600	rock wool	50	29	5210	43	39	32	26,0	(R)EI60	●
87,5UU75/Twarda	Twarda	1x12,5 + 1x12,5	DEFH1IR	2xU75	2xUD27	600	rock wool	50	29	5210	46	42	35	31,0	(R)EI60	●
87,5UU75/Hydro	Hydro	1x12,5 + 1x12,5	GMFH1I	2xU75	2xUD27	600	rock wool	50	29	5210	44	39	32	27,0	(R)EI60	●
100UU75/Ogień+	Ogień Plus	1x12,5 + 2x12,5	DF	2xU75	2xUD27	600	rock wool	50	29	5400	48	44	36	37,0	(R)EI90	●
100UU75/WodaOgień+	Woda Ogień Plus	1x12,5 + 2x12,5	DFH2	2xU75	2xUD27	600	rock wool	50	29	5400	48	44	36	37,0	(R)EI90	●
100UU75/Twarda	Twarda	1x12,5 + 2x12,5	DEFH1IR	2xU75	2xUD27	600	rock wool	50	29	5400	52	48	41	44,0	(R)EI90	●
100UU75/Hydro	Hydro	1x12,5 + 2x12,5	GMFH1I	2xU75	2xUD27	600	rock wool	50	29	5400	49	45	37	38,0	(R)EI90	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
[3] Fire classification LBO-073-KZ/22.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht							
		87,5UU75/ Ogień+	87,5UU75/ WodaOgień+	87,5UU75/ Twarda	87,5UU75/ Hydro	100UU75/ Ogień+	100UU75/ WodaOgień+	100UU75/ Twarda	100UU75/ Hydro
		Consumption of material per 1m²							
Nida Ogień Plus 12.5 mm plasterboard	m²	2,0	-	-	-	3,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	2,0	-	-	-	3,0	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	2,0	-	-	-	3,0	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	2,0	-	-	-	3,0
Nida U75 profile	lm	4,3	4,3	4,3	4,3	4,3	4,3	4,3	4,3
Nida UD27 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Anchoring element [4]	pcs.	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.	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0
Nida 3.5x25 mm sheet metal screws	pcs.	12,0	12,0	-	-	4,0	4,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	12,0	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	12,0	-	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	12,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,3	0,3	-	-	0,6	0,6	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	-	0,1	0,1	0,1	-
Nida Max gypsum putty	kg	-	-	0,3	-	-	-	0,6	-
Nida Hydromix ready-to-use joint filler	kg	-	-	-	0,4	-	-	-	0,7
Mineral wool [5]	m²	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
The standards concerning the amount of utilised material do not cover the loss of the material.

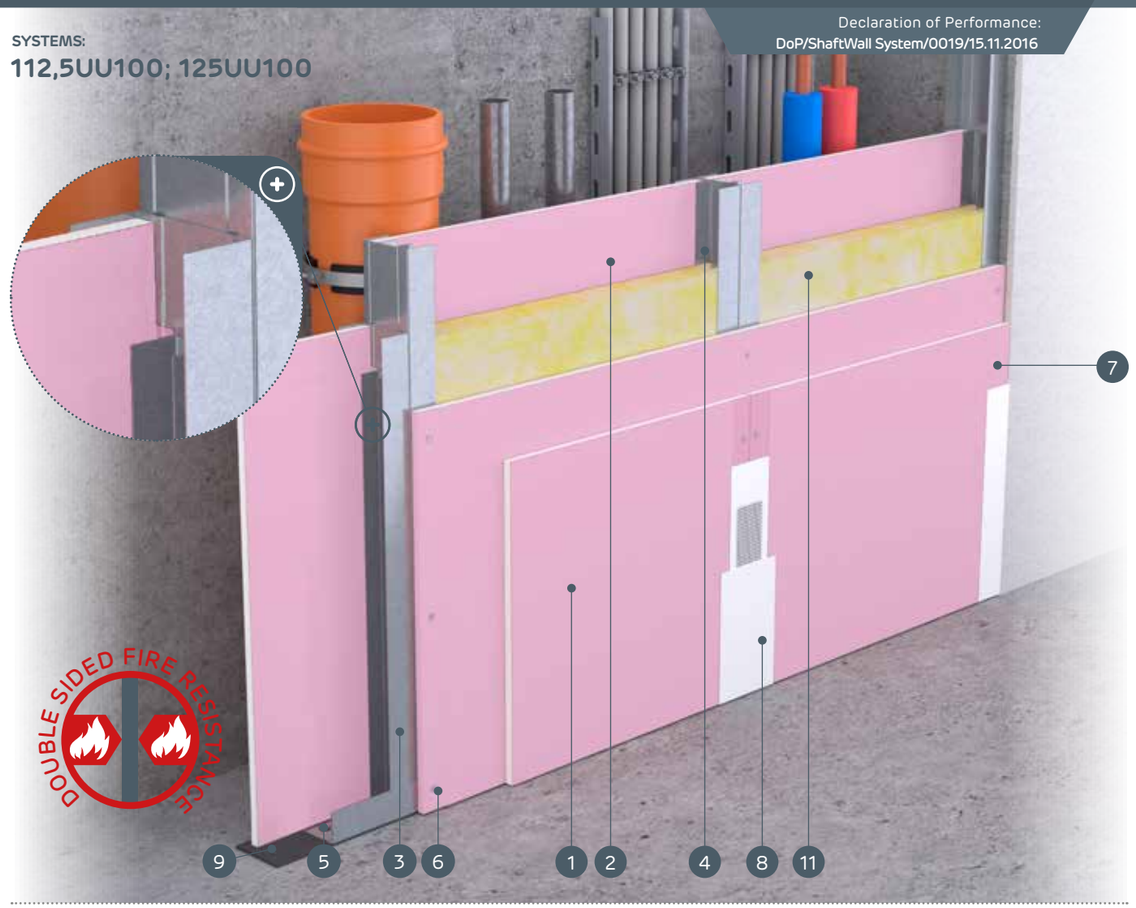
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60 (R)EI90	54 dB	6500 mm	27,0-45,0 kg	ETA 15/0301

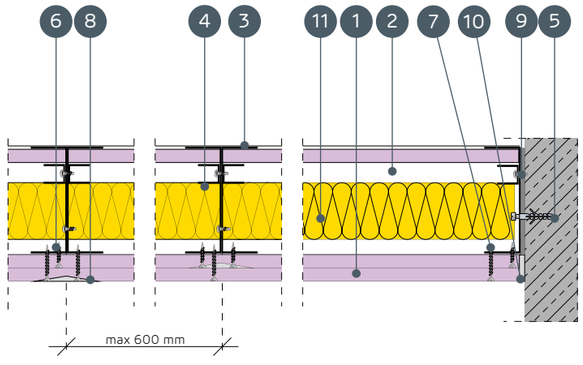
SYSTEMS:
112,5UU100; 125UU100

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida Ogień Plus 2x12,5 mm plasterboard *
2. Nida Ogień Plus 1x12,5 mm plasterboard *
3. Nida 2xU100 profile (profiles screwed together by their webs with utilisation of FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm thick metal sheet)
4. Nida UD27 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. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass
11. Insulation material mineral wool



* As an alternative the Nida Woda Ogień Plus should be utilised.

THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UU100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure			Insulation material			Maximum height [1]	Acoustic insulation [2]			Weight of 1m² of encasement	Fire resistance class [3]	Special system
				Type of Nida profile	Auxiliary Nida profile type	Axial spacing between Nida profiles	Within the range of the acoustic insulation i ogniowej									
	Nida	Thickness [mm]	Marking acc. to standard			[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
112,5UU100/Ogień+	Ogień Plus	1x12,5 + 1x12,5	DF	2xU100	2xUD27	600	rock wool	50	29	6420	45	40	33	27,0	(R)EI60	●
112,5UU100/WodaOgień+	Woda Ogień Plus	1x12,5 + 1x12,5	DFH2	2xU100	2xUD27	600	rock wool	50	29	6420	45	40	33	27,0	(R)EI60	●
112,5UU100/Twarda	Twarda	1x12,5 + 1x12,5	DEFH1IR	2xU100	2xUD27	600	rock wool	50	29	6420	49	45	38	32,0	(R)EI60	●
112,5UU100/Hydro	Hydro	1x12,5 + 1x12,5	GMFH1I	2xU100	2xUD27	600	rock wool	50	29	6420	46	42	35	28,0	(R)EI60	●
125UU100/Ogień+	Ogień Plus	1x12,5 + 2x12,5	DF	2xU100	2xUD27	600	rock wool	50	29	6500	50	46	39	38,0	(R)EI90	●
125UU100/WodaOgień+	Woda Ogień Plus	1x12,5 + 2x12,5	DFH2	2xU100	2xUD27	600	rock wool	50	29	6500	50	46	39	38,0	(R)EI90	●
125UU100/Twarda	Twarda	1x12,5 + 2x12,5	DEFH1IR	2xU100	2xUD27	600	rock wool	50	29	6500	54	51	44	45,0	(R)EI90	●
125UU100/Hydro	Hydro	1x12,5 + 2x12,5	GMFH1I	2xU100	2xUD27	600	rock wool	50	29	6500	51	48	41	39,0	(R)EI90	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
[3] Fire classification LBO-073-KZ/22.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht							
		112,5UU100/ Ogień+	112,5UU100/ WodaOgień+	112,5UU100/ Twarda	112,5UU100/ Hydro	125UU100/ Ogień+	125UU100/ WodaOgień+	125UU100/ Twarda	125UU100/ Hydro
		Consumption of material per 1m²							
Nida Ogień Plus 12.5 mm plasterboard	m²	2,0	-	-	-	3,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	2,0	-	-	-	3,0	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	2,0	-	-	-	3,0	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	2,0	-	-	-	3,0
Nida U100 profile	lm	4,3	4,3	4,3	4,3	4,3	4,3	4,3	4,3
Nida UD27 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Anchoring element [4]	pcs.	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.	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,0
Nida 3.5x25 mm sheet metal screws	pcs.	12,0	12,0	-	-	4,0	4,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	-	-	-	-	12,0	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	12,0	-	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	12,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida Start gypsum putty	kg	0,3	0,3	-	-	0,6	0,6	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	-	0,1	0,1	0,1	-
Nida Max gypsum putty	kg	-	-	0,3	-	-	-	0,6	-
Nida Hydromix ready-to-use joint filler	kg	-	-	-	0,4	-	-	-	0,7
Mineral wool [5]	m²	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
The standards concerning the amount of utilised material do not cover the loss of the material.

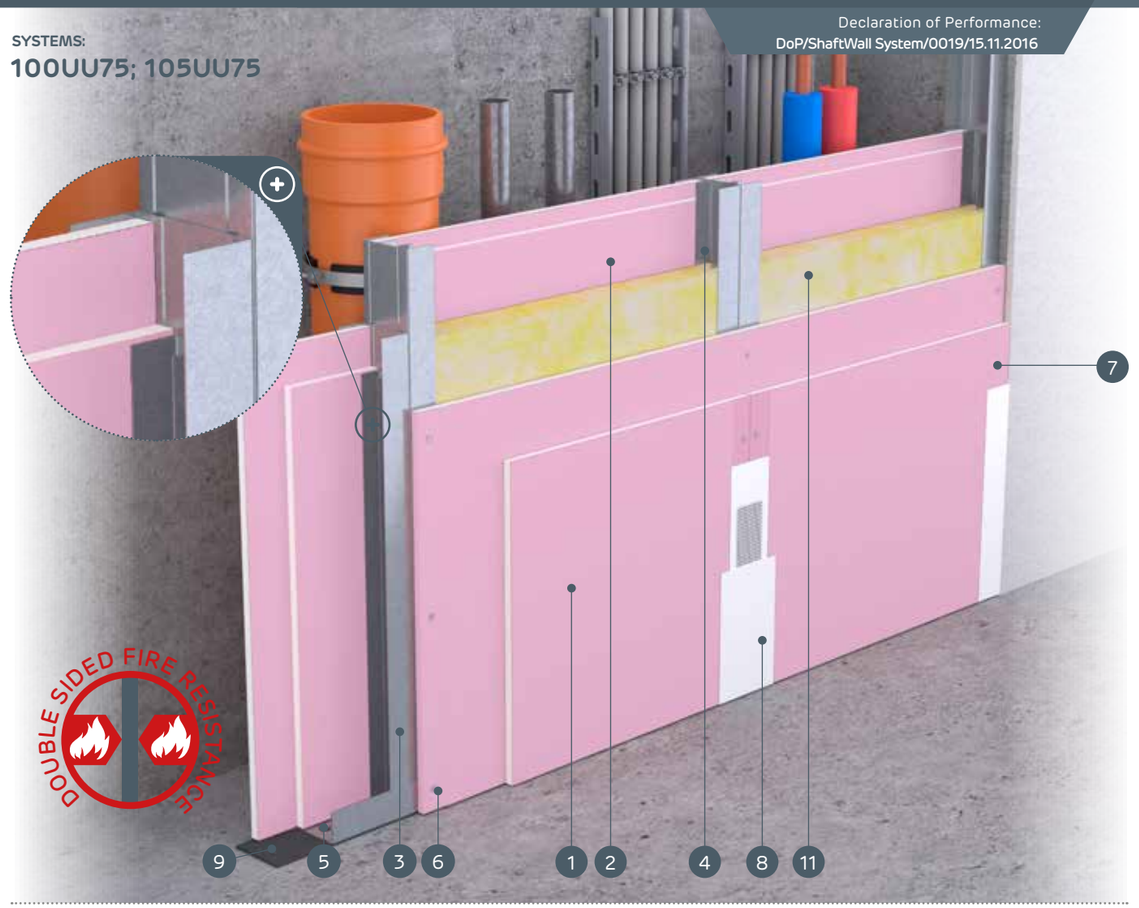
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI90 (R)EI120	59 dB	6000 mm	40,0-65,0 kg	ETA 15/0301

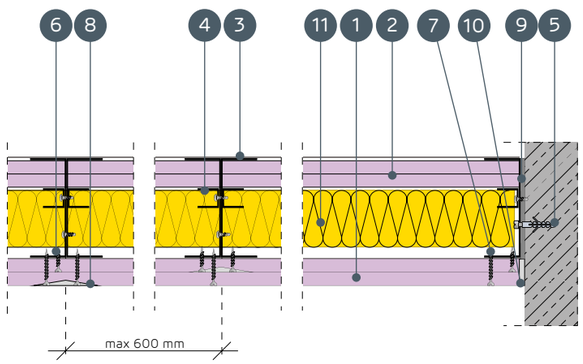
SYSTEMS:
100UU75; 105UU75

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida Ogień Plus 2x15 mm plasterboard *
2. Nida Ogień Plus 2x12,5 mm plasterboard *
3. Nida 2xU75 profile (profiles screwed together by their webs with utilisation of FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm thick metal sheet)
4. Nida UD27 profile
5. Anchoring element
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 45 mm sheet metal screws
8. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass
11. Insulation material mineral wool



* As an alternative the Nida Woda Ogień Plus should be utilised.

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THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UU75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure			Insulation material			Maximum height [1]	Acoustic insulation [2]			Weight of 1m² of encasement	Fire resistance class [3]	Special system
				Type of Nida profile	Auxiliary Nida profile type	Axial spacing between Nida profiles	Within the range of the acoustic insulation i ogniowej									
	Nida	Thickness [mm]	Marking acc. to standard			[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
100UU75/Expert	Expert	2x12,5 + 2x12,5	A	2xU75	2xUD27	600	glass wool/rock wool	50	10	6000	47	43	35	40,0	-	-
100UU75/Woda	Woda	2x12,5 + 2x12,5	H2	2xU75	2xUD27	600	glass wool/rock wool	50	10	6000	47	43	35	40,0	-	-
105UU75/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	2xU75	2xUD27	600	rock wool	50	15	6000	51	47	39	55,0	(R)EI90	●
105UU75/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	2xU75	2xUD27	600	rock wool	50	50	6000	54	50	42	55,0	(R)EI120	●
105UU75/WodaOgień+	Woda Ogień Plus	2x12,5 + 2x15,0	DFH2	2xU75	2xUD27	600	rock wool	50	50	6000	54	50	42	55,0	(R)EI120	●
105UU75/Twarda	Twarda	2x12,5 + 2x15,0	DEFH1IR	2xU75	2xUD27	600	rock wool	50	50	6000	59	55	47	65,0	(R)EI120	●
105UU75/Hydro	Hydro	2x12,5 + 2x15,0	GMFH1I	2xU75	2xUD27	600	rock wool	50	50	6000	56	51	44	56,5	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
[3] Fire classification LBO-073-KZ/22.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht						
		100UU75/ Expert	100UU75/Woda	105UU75/ Ogień+	105UU75/ Ogień+	105UU75/ WodaOgień+	105UU75/ Twarda	105UU75/Hydro
		Consumption of material per 1m²						
Nida Expert 12.5 mm plasterboard	m²	4,0	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	4,0	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	2,0	2,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m²	-	-	2,0	2,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	-	2,0	-	-
Nida Woda Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	2,0	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	-	-	-	2,0	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	-	-	-	2,0
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	2,0
Nida U75 profile	lm	4,3	4,3	4,3	4,3	4,3	4,3	4,3
Nida UD27 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Anchoring element [4]	pcs.	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.	9,0	9,0	9,0	9,0	9,0	9,0	9,0
Nida 3.5x25 mm sheet metal screws	pcs.	4,0	4,0	4,0	4,0	4,0	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	12,0	12,0	12,0	12,0	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	0,1	-
Nida Max gypsum putty	kg	-	-	-	-	-	1,2	-
Nida Hydromix ready-to-use joint filler	kg	-	-	-	-	-	-	1,3
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] Application acc. to the requirements
The standards concerning the amount of utilised material do not cover the loss of the material.

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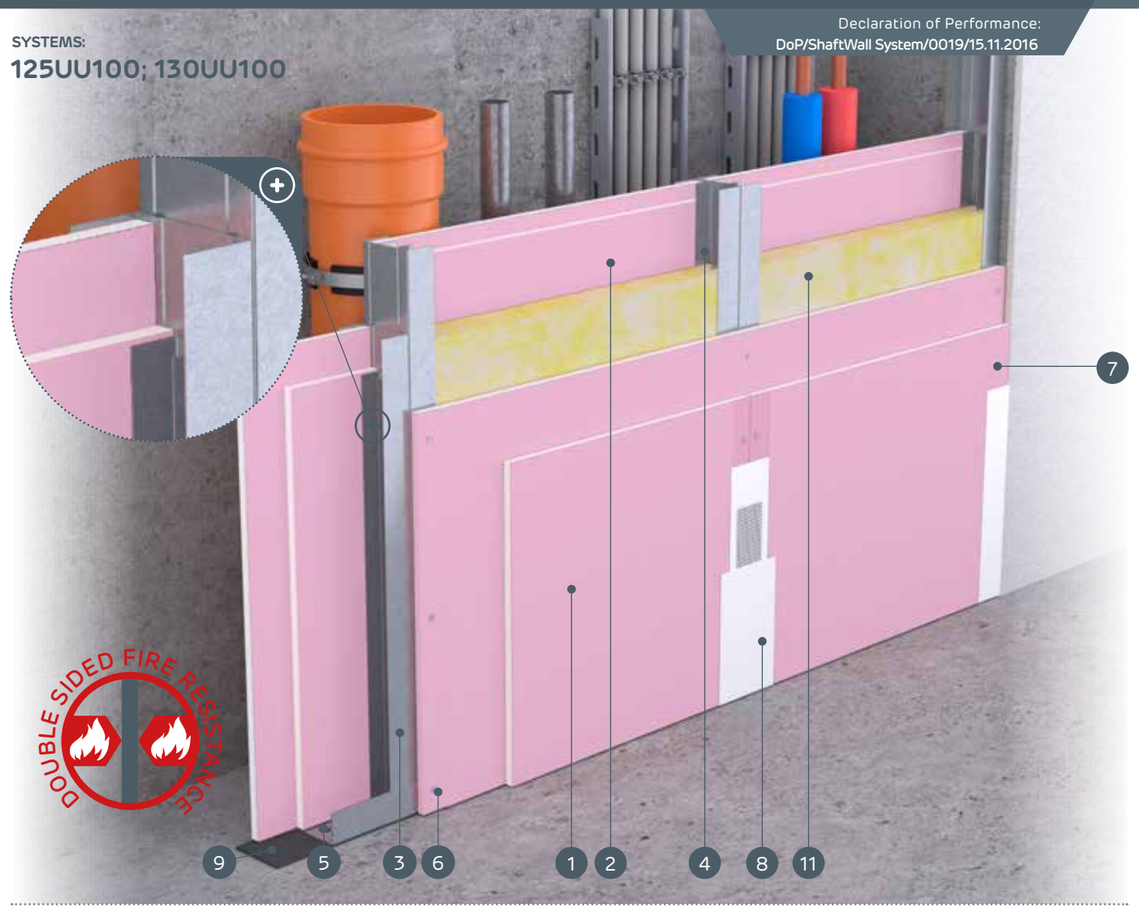
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI90 (R)EI120	60 dB	6000 mm	40,0-65,0 kg	ETA 15/0301

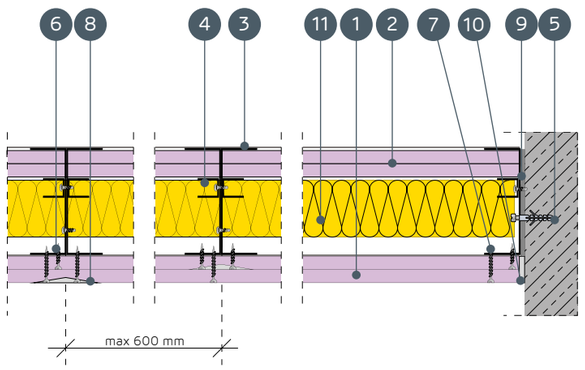
SYSTEMS:
125UU100; 130UU100

Declaration of Performance:
DoP/ShaftWall System/0019/15.11.2016



MATERIALS:

1. Nida Ogień Plus 2x15 mm plasterboard *
2. Nida Ogień Plus 2x12,5 mm plasterboard *
3. Nida 2xU100 profile (profiles screwed together by their webs with utilisation of FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm thick metal sheet)
4. Nida UD27 profile
5. Anchoring element
6. Nida 3.5 x 25 mm sheet metal screws
7. Nida 3.5 x 45 mm sheet metal screws
8. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass
11. Insulation material mineral wool



* As an alternative the Nida Woda Ogień Plus should be utilised.

THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UU100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure			Insulation material			Maximum height[1]	Acoustic insulation[2]			Weight of 1m² of encasement	Fire resistance class[3]	Special system
				Type of Nida profile	Auxiliary Nida profile type	Axial spacing between Nida profiles	Within the range of the acoustic insulation i ogniowej									
	Nida	Thickness [mm]	Marking acc. to standard			[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
125UU100/Expert	Expert	2x12,5 + 2x12,5	A	2xU100	2xUD27	600	glass wool/ rock wool	50	10	6000	50	46	39	40,0	-	-
125UU100/Woda	Woda	2x12,5 + 2x12,5	H2	2xU100	2xUD27	600	glass wool/ rock wool	50	10	6000	50	46	39	40,0	-	-
130UU100/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	2xU100	2xUD27	600	rock wool	50	15	6000	54	50	44	55,0	(R)EI90	●
130UU100/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	2xU100	2xUD27	600	rock wool	50	50	6000	56	53	46	55,0	(R)EI120	●
130UU100/WodaOgień+	Woda Ogień Plus	2x12,5 + 2x15,0	DFH2	2xU100	2xUD27	600	rock wool	50	50	6000	56	53	46	55,0	(R)EI120	●
130UU100/Twarda	Twarda	2x12,5 + 2x15,0	DEFH1IR	2xU100	2xUD27	600	rock wool	50	50	6000	60	58	51	65,0	(R)EI120	●
130UU100/Hydro	Hydro	2x12,5 + 2x15,0	GMFH1I	2xU100	2xUD27	600	rock wool	50	50	6000	58	54	48	56,5	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.
[3] Fire classification LBO-073-KZ/22.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht						
		125UU100/ Expert	125UU100/ Woda	130UU100/ Ogień+	130UU100/ Ogień+	130UU100/ WodaOgień+	130UU100/ Twarda	130UU100/ Hydro
		Consumption of material per 1m²						
Nida Expert 12.5 mm plasterboard	m²	4,0	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	4,0	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	2,0	2,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m²	-	-	2,0	2,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	-	2,0	-	-
Nida Woda Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	2,0	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	-	-	-	2,0	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	-	-	-	2,0
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	2,0
Nida U100 profile	lm	4,3	4,3	4,3	4,3	4,3	4,3	4,3
Nida UD27 profile	lm	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Anchoring element[4]	pcs.	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.	9,0	9,0	9,0	9,0	9,0	9,0	9,0
Nida 3.5x25 mm sheet metal screws	pcs.	4,0	4,0	4,0	4,0	4,0	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	12,0	12,0	12,0	12,0	12,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	0,1	-
Nida Max gypsum putty	kg	-	-	-	-	-	1,2	-
Nida Hydromix ready-to-use joint filler	kg	-	-	-	-	-	-	1,3
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] Application acc. to the requirements
The standards concerning the amount of utilised material do not cover the loss of the material.

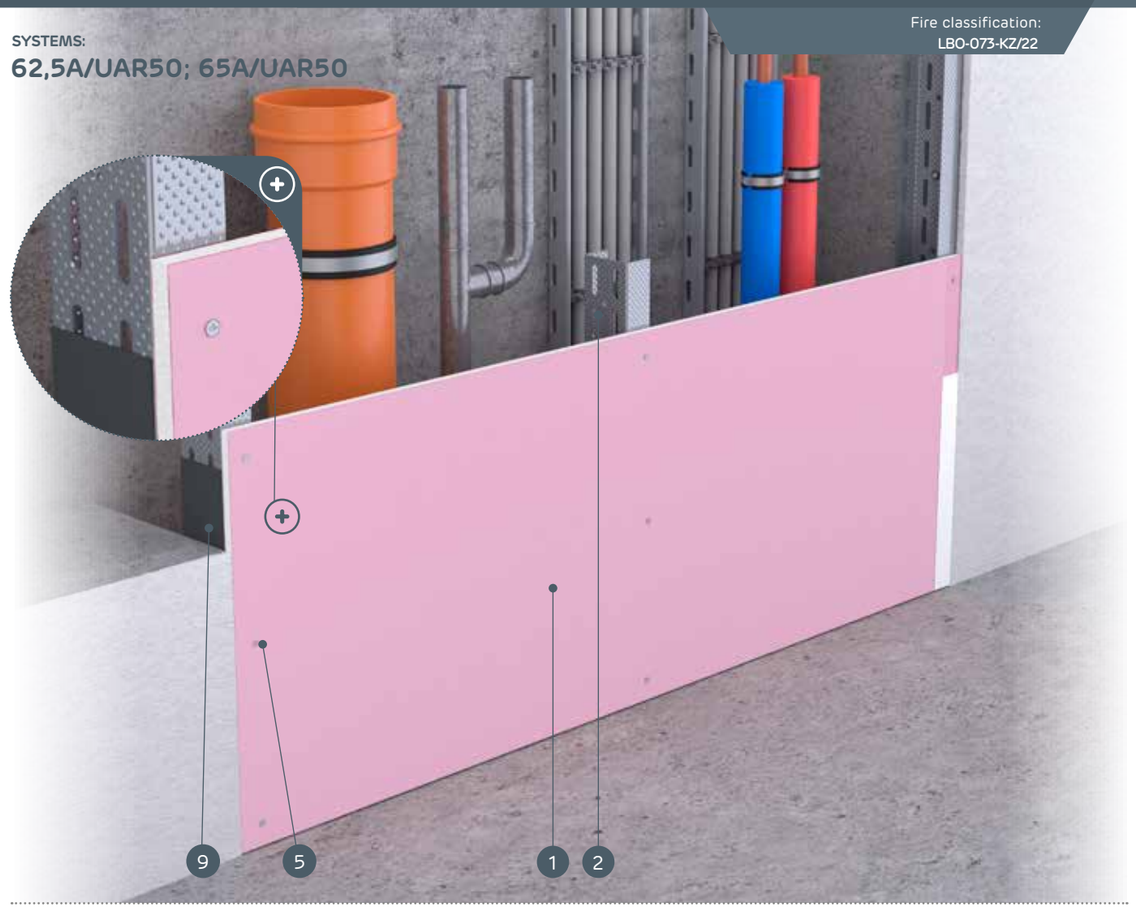
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
N/A	36 dB	3880 mm	12,0-20,0 kg	Fire Classification

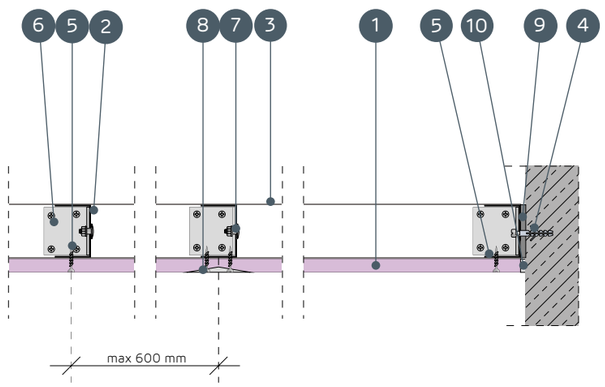
SYSTEMS:
62,5A/UAR50; 65A/UAR50

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR50 profile
3. Nida U50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Profile angle for UA50 profiles
7. FLAT HEAD M8 bolt with serrated nut
8. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR50 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
62,5A/UAR50/Expert	Expert	12,5	A	UAR50	600	glass wool/rock wool	50	12	3880	34	32	28	12,0	-	-
62,5A/UAR50/Woda [3]	Woda	12,5	H2	UAR50	600	glass wool/rock wool	50	12	3880	34	32	28	12,0	-	-
62,5A/UAR50/Ogień+	Ogień Plus	12,5	DF	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	14,0	-	-
62,5A/UAR50/WodaOgień+	Woda Ogień Plus	12,5	DFH2	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	14,0	-	-
62,5A/UAR50/Cicha	Cicha	12,5	DFH1IR	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	17,0	-	●
62,5A/UAR50/Twarda	Twarda	12,5	DEFH1IR	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	17,0	-	●
62,5A/UAR50/Hydro	Hydro	12,5	GMFH1I	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	15,0	-	●
65A/UAR50/Ogień+	Ogień Plus	15,0	DF	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	18,0	-	-
65A/UAR50/Twarda	Twarda	15,0	DEFH1IR	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	20,0	-	●
65A/UAR50/Hydro	Hydro	15,0	GMFH1I	UAR50	600	glass wool/rock wool	50	12	3880	36	34	30	18,0	-	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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.)

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht									
		62,5A/UAR50/Expert	62,5A/UAR50/Woda	62,5A/UAR50/Ogień+	62,5A/UAR50/WodaOgień+	62,5A/UAR50/Cicha	62,5A/UAR50/Twarda	62,5A/UAR50/Hydro	65A/UAR50/Ogień+	65A/UAR50/Twarda	65A/UAR50/Hydro
		Consumption of material per 1m²									
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	1,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	1,0	-	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	1,0	-	-	-	-	-	-
Nida Cicha 12.5 mm plasterboard	m²	-	-	-	-	1,0	-	-	-	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	-	-	-	1,0	-	-	-	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	-	-	-	1,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	1,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	1,0
NIDA UAR50 frame profile	lm	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
Nida angle profile for UA50 profile	pcs.	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85
FLAT HEAD M8 bolt with serrated nut	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	12,0	12,0	-	-	-	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	12,0	-	-	12,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	12,0	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	0,3	0,3	0,3	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	-	-	0,4	0,4	-	0,4	0,4
Mineral wool [6]	m²	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] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements
The standards concerning the amount of utilised material do not cover the loss of the material.

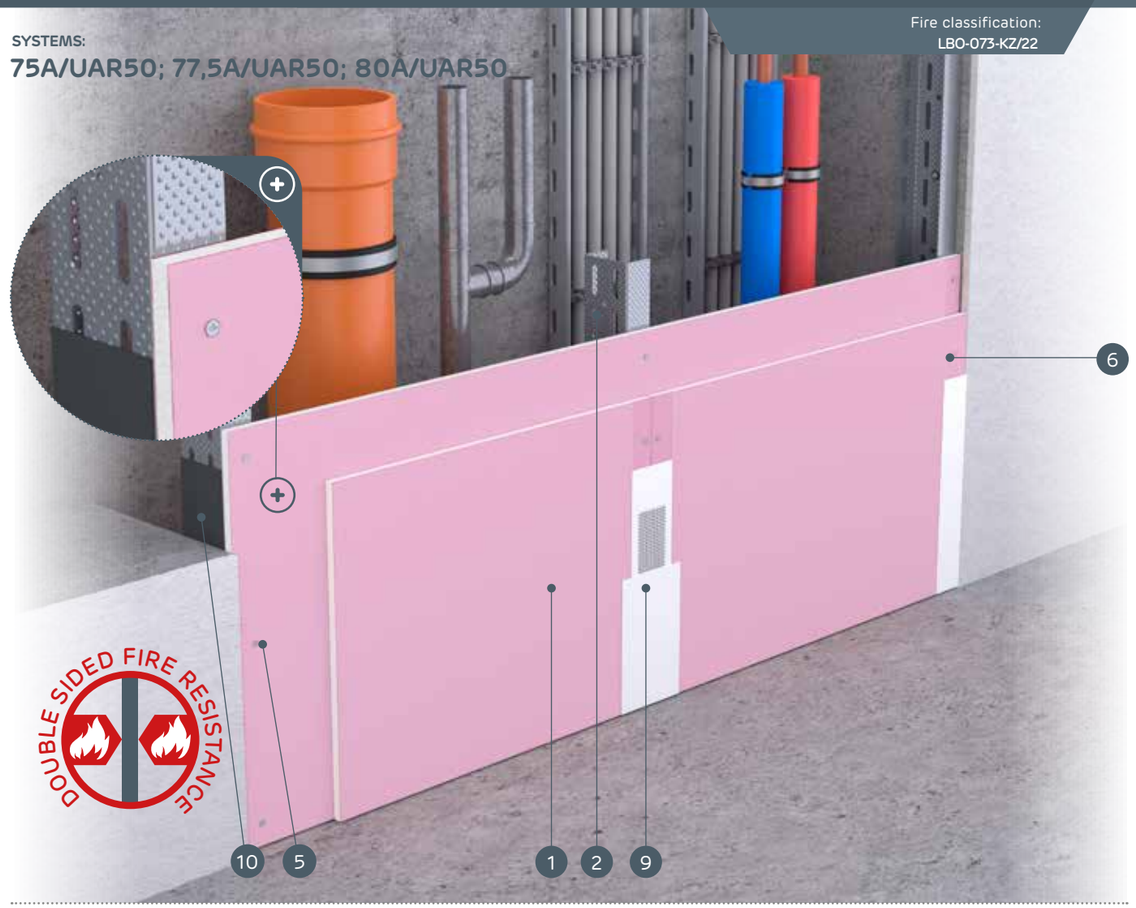
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI30 (R)EI60	41 dB	4050 mm	20,0-35,0 kg	Fire Classification

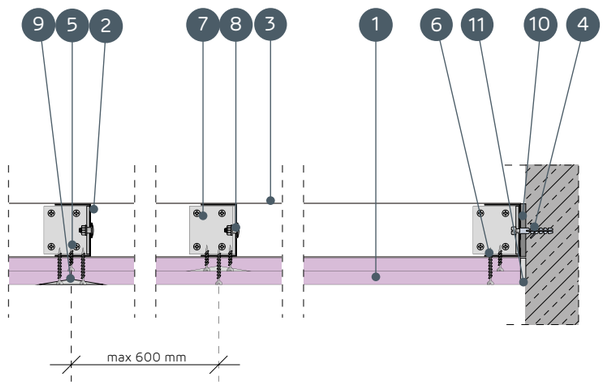
SYSTEMS:
75A/UAR50; 77,5A/UAR50; 80A/UAR50

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR50 profile
3. Nida U50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Profile angle for UA50 profiles
8. FLAT HEAD M8 bolt with serrated nut
9. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
10. Sealing tape for Nida acoustic insulation
11. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR50 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
75A/UAR50/Expert	Expert	2x12,5	A	UAR50	600	glass wool/rock wool	50	12	4050	37	35	31	20,0	-	-
75A/UAR50/Woda [3]	Woda	2x12,5	H2	UAR50	600	glass wool/rock wool	50	12	4050	37	35	31	20,0	-	-
75A/UAR50/OgieńTypF	Ogień Typ F	2x12,5	F	UAR50	600	glass wool/rock wool	50	12	4050	37	35	31	22,0	(R)EI30	-
75A/UAR50/Ogień+	Ogień Plus	2x12,5	DF	UAR50	600	glass wool/rock wool	50	12	4050	40	38	35	24,0	(R)EI30	-
75A/UAR50/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	UAR50	600	glass wool/rock wool	50	12	4050	40	38	35	24,0	(R)EI30	-
75A/UAR50/Cicha	Cicha	2x12,5	DFH1IR	UAR50	600	glass wool/rock wool	50	12	4050	40	38	35	30,0	(R)EI30	●
75A/UAR50/Twarda	Twarda	2x12,5	DEFH1IR	UAR50	600	glass wool/rock wool	50	12	4050	40	38	35	30,0	(R)EI30	●
75A/UAR50/Hydro	Hydro	2x12,5	GMFH1I	UAR50	600	glass wool/rock wool	50	12	4050	40	38	35	26,0	(R)EI30	●
77,5A/UAR50/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	UAR50	600	glass wool/rock wool	50	12	4050	40	38	35	28,0	(R)EI60	-
80A/UAR50/Ogień+	Ogień Plus	2x15,0	DF	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	31,0	(R)EI60	-
80A/UAR50/Twarda	Twarda	2x15,0	DEFH1IR	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	35,0	(R)EI60	●
80A/UAR50/Hydro	Hydro	2x15,0	GMFH1I	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	31,0	(R)EI60	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht											
		75A/UAR50/Expert	75A/UAR50/Woda	75A/UAR50/OgieńTypF	75A/UAR50/Ogień+	75A/UAR50/WodaOgień+	75A/UAR50/Cicha	75A/UAR50/Twarda	75A/UAR50/Hydro	77,5A/UAR50/Ogień+	80A/UAR50/Ogień+	80A/UAR50/Twarda	80A/UAR50/Hydro
		Consumption of material per 1m²											
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	2,0	-	-	-	-	-	-	-	-	-	-
Nida Ogień Typ F 12.5 mm plasterboard	m²	-	-	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	-	2,0	-	-	-	-	1,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	2,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	2,0
NIDA UAR50 frame 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
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
Nida angle profile for UA50 profile	pcs.	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85
FLAT HEAD M8 bolt with serrated nut	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
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
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	4,0	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	-	-	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	-	12,0	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	16,0	16,0	-	-	-	16,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [6]	kg	-	-	-	-	-	-	0,7	0,7	-	-	0,7	0,7
Mineral wool [7]	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

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

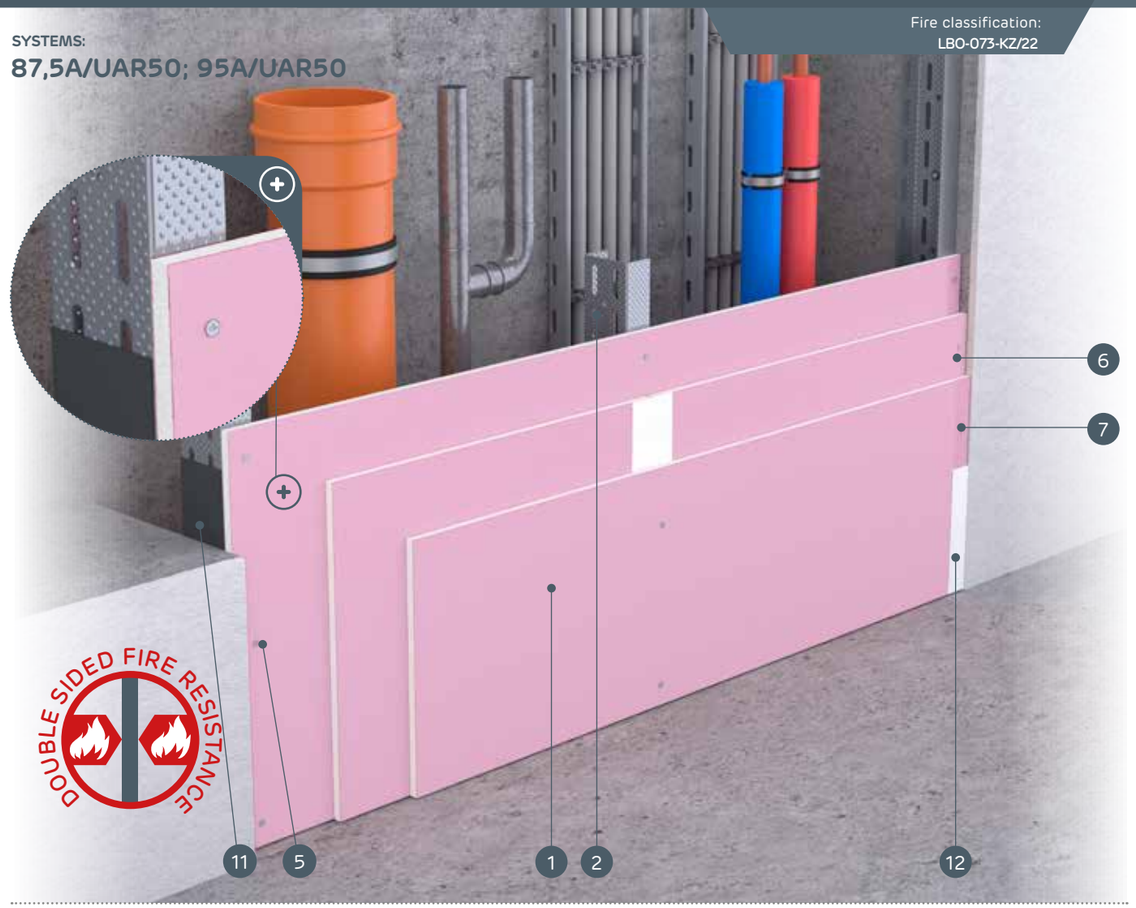
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60 (R)EI120	41 dB	4050 mm	34,0-45,0 kg	Fire Classification

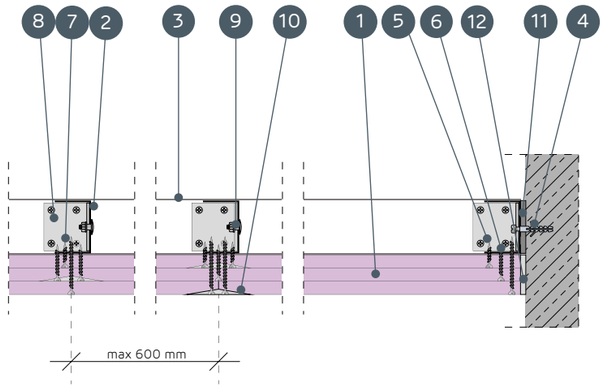
SYSTEMS:
87,5A/UAR50; 95A/UAR50

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR50 profile
3. Nida U50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Nida 3.5 x 55 mm screws for 2 mm thick sheet metal
8. Profile angle for UA50 profiles
9. FLAT HEAD M8 bolt with serrated nut
10. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
11. Sealing tape for Nida acoustic insulation
12. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR50 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
87,5A/UAR50/Ogień+	Ogień Plus	3x12,5	DF	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	34,0	(R)EI60	-
87,5A/UAR50/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	34,0	(R)EI60	-
87,5A/UAR50/Cicha	Cicha	3x12,5	DFH1IR	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	43,0	(R)EI60	●
87,5A/UAR50/Twarda	Twarda	3x12,5	DEFH1IR	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	43,0	(R)EI60	●
87,5A/UAR50/Hydro	Hydro	3x12,5	GMFH1I	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	37,0	(R)EI60	●
95A/UAR50/Ogień+ [3]	Ogień Plus	3x15,0	DF	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	45,0	(R)EI120	-
95A/UAR50/WodaOgień+ [3]	Woda Ogień Plus	3x15,0	DFH2	UAR50	600	glass wool/rock wool	50	12	4050	41	40	37	45,0	(R)EI120	-

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht						
		87,5A/ UAR50/ Ogień+	87,5A/ UAR50/ WodaOgień+	87,5A/ UAR50/Cicha	87,5A/ UAR50/ Twarda	87,5A/ UAR50/ Hydro	95A/UAR50/ Ogień+	95A/UAR50/ WodaOgień+
		Consumption of material per 1m²						
Nida Ogień Plus 12.5 mm plasterboard	m²	3,0	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	3,0	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	3,0	-
Nida Woda Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	3,0
NIDA UAR50 frame 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
Nida angle profile for UA50 profile	pcs.	0,85	0,85	0,85	0,85	0,85	0,85	0,85
FLAT HEAD M8 bolt with serrated nut	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	4,0	4,0
Nida 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	-	-	-	-	-
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	12,0	12,0
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	8,0	8,0	-	-	-
Nida Twarda 4.2x65 mm screws for 2 mm thick sheet metal	pcs.	-	-	12,0	12,0	-	-	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	-	-
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,1	0,1	0,1	-	-	0,1	0,1
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	1,0	1,0	-	-
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.
The standards concerning the amount of utilised material do not cover the loss of the material.

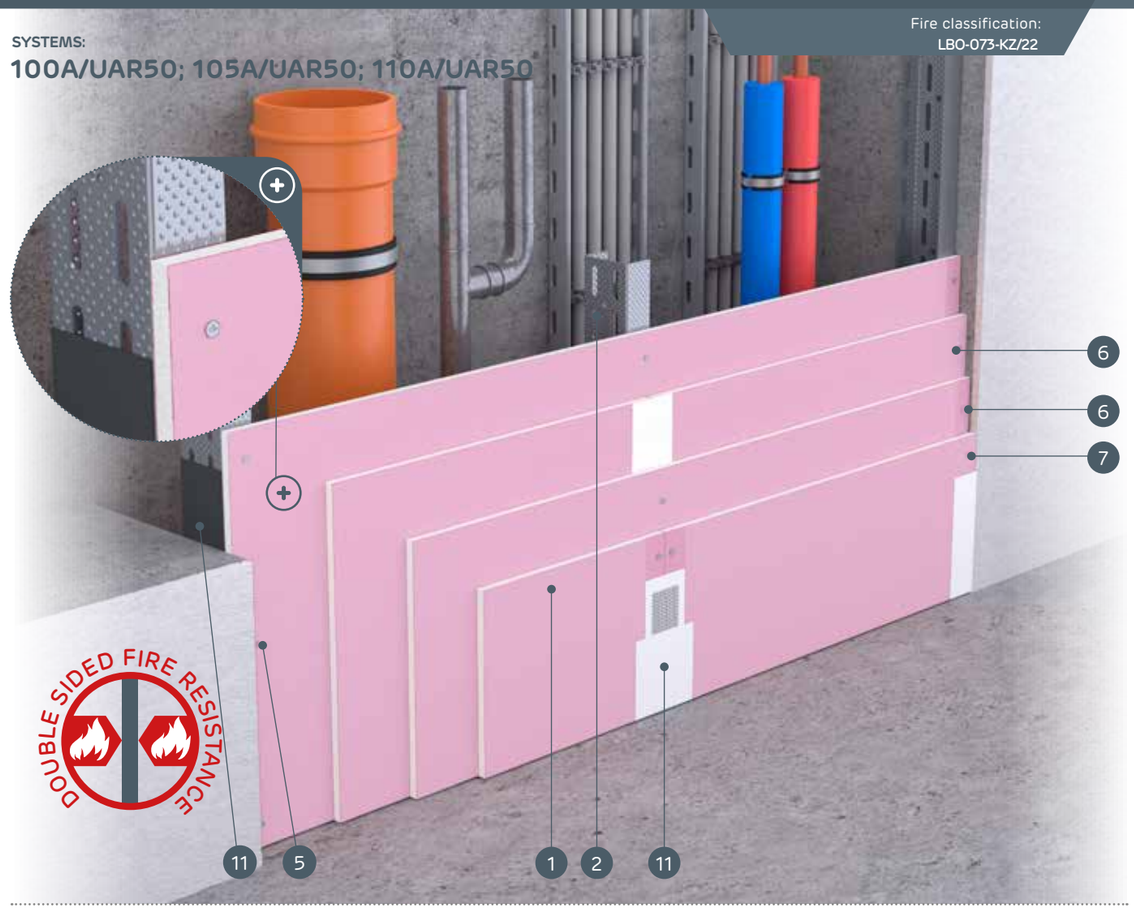
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI90 (R)EI120	42 dB	4050 mm	45,0-66,0 kg	Fire Classification

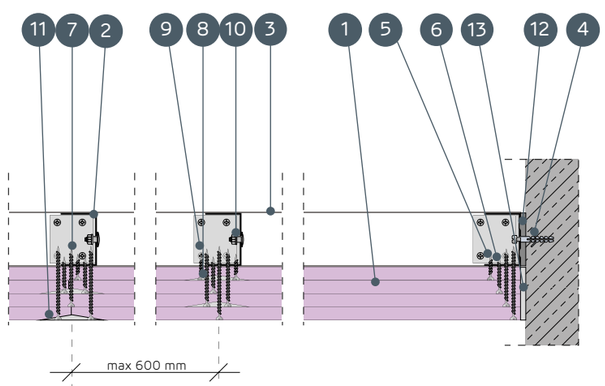
SYSTEMS:
100A/UAR50; 105A/UAR50; 110A/UAR50

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR50 profile
3. Nida U50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Nida 3.5 x 55 mm screws for 2 mm thick sheet metal
8. Nida 4.2 x 70 mm screws for 2 mm thick sheet metal
9. Profile angle for UA50 profiles
10. FLAT HEAD M8 bolt with serrated nut
11. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
12. Sealing tape for Nida acoustic insulation
13. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR50 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
100A/UAR50/Ogień+	Ogień Plus	4x12,5	DF	UAR50	600	glass wool/rock wool	50	14	4050	41	40	38	45,0	(R)EI90	-
100A/UAR50/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	UAR50	600	glass wool/rock wool	50	14	4050	41	40	38	45,0	(R)EI90	-
100A/UAR50/Cicha	Cicha	4x12,5	DFH1IR	UAR50	600	glass wool/rock wool	50	14	4050	41	40	38	56,0	(R)EI90	●
100A/UAR50/Twarda	Twarda	4x12,5	DEFH1IR	UAR50	600	glass wool/rock wool	50	14	4050	41	40	38	56,0	(R)EI90	●
100A/UAR50/Hydro	Hydro	4x12,5	GMFH1I	UAR50	600	glass wool/rock wool	50	14	4050	41	40	38	48,0	(R)EI90	●
105A/UAR50/Ogień+	Ogień Plus	2x12,5+2x15,0	DF	UAR50	600	glass wool/rock wool	50	14	4050	41	40	38	52,0	(R)EI120	-
110A/UAR50/Ogień+	Ogień Plus	4x15,0	DF	UAR50	600	glass wool/rock wool	50	14	4050	42	41	39	59,0	(R)EI120	-
110A/UAR50/Twarda	Twarda	4x15,0	DEFH1IR	UAR50	600	glass wool/rock wool	50	14	4050	42	41	39	66,0	(R)EI120	●
110A/UAR50/Hydro	Hydro	4x15,0	GMFH1I	UAR50	600	glass wool/rock wool	50	14	4050	42	41	39	59,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht								
		100A/UAR50/Ogień+	100A/UAR50/WodaOgień+	100A/UAR50/Cicha	100A/UAR50/Twarda	100A/UAR50/Hydro	105A/UAR50/Ogień+	110A/UAR50/Ogień+	110A/UAR50/Twarda	110A/UAR50/Hydro
		Consumption of material per 1m²								
Nida Ogień Plus 12.5 mm plasterboard	m²	4,0	-	-	-	-	2,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	4,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	4,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0
NIDA UAR50 frame profile	lm	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
Nida angle profile for UA50 profile	pcs.	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85
FLAT HEAD M8 bolt with serrated nut	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [3]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	4,0	4,0	-	-
Nida 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0				12,0	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	8,0	8,0	-	-	-	8,0	-
Nida Twarda 4.2x65 mm screws for 2 mm thick sheet metal	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
Nida Twarda 4.2x75 mm screws for 2 mm thick sheet metal	pcs.	-	-	12,0	12,0	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [4]	kg	-	-	-	1,3	1,3	-	-	1,3	1,3
Mineral wool [5]	m²	1,0	1,0	1,0	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
The standards concerning the amount of utilised material do not cover the loss of the material.

ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class: N/A

Maximum acoustic insulation: 36 dB

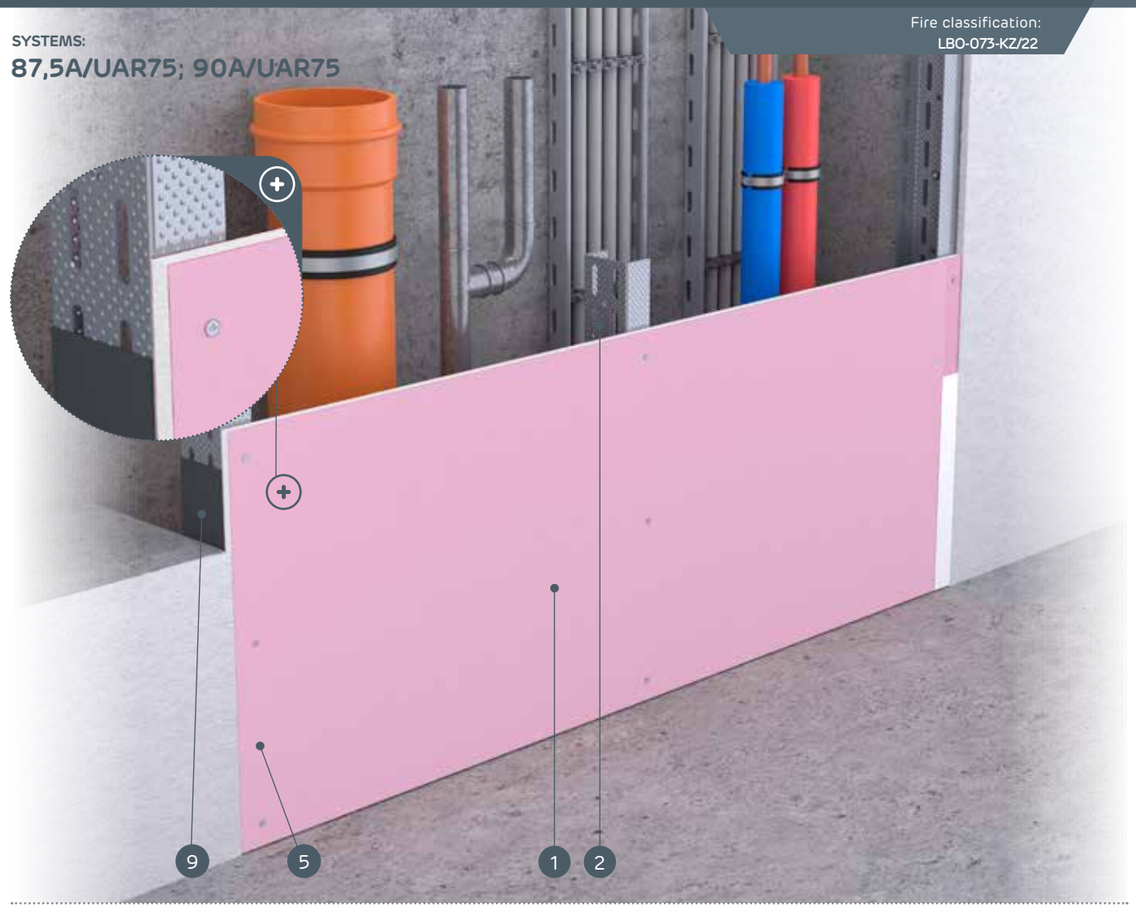
Maximum encasement height: 5130 mm

Weight of 1m² of encasement: 13,0-20,0 kg

Number of related document: Fire Classification

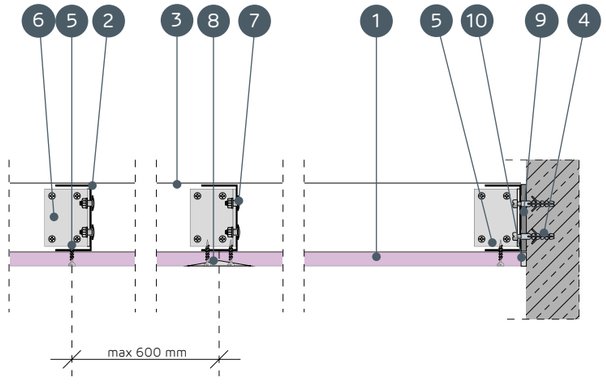
SYSTEMS:
87,5A/UAR75; 90A/UAR75

Fire classification: LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR75 profile
3. Nida U75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Profile angle for UA 75 profiles
7. FLAT HEAD M8 bolt with serrated nut
8. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation				Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation										
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]		[kg]	[min]	
87,5A/UAR75/Expert	Expert	12,5	A	UAR75	600	glass wool/rock wool	50	12	5130	34	32	28		13,0	-	-
87,5A/UAR75/Woda [3]	Woda	12,5	H2	UAR75	600	glass wool/rock wool	50	12	5130	34	32	28		13,0	-	-
87,5A/UAR75/Ogień+	Ogień Plus	12,5	DF	UAR75	600	glass wool/rock wool	50	12	5130	36	34	30		15,0	-	-
87,5A/UAR75/WodaOgień+	Woda Ogień Plus	12,5	DFH2	UAR75	600	glass wool/rock wool	50	12	5130	36	34	30		15,0	-	-
87,5A/UAR75/Cicha	Cicha	12,5	DFH1IR	UAR75	600	glass wool/rock wool	50	12	5130	36	34	30		18,0	-	●
87,5A/UAR75/Twarda	Twarda	12,5	DEFH1IR	UAR75	600	glass wool/rock wool	50	12	5130	36	34	30		18,0	-	●
87,5A/UAR75/Hydro	Hydro	12,5	GMFH1I	UAR75	600	glass wool/rock wool	50	12	5130	36	34	30		16,0	-	●
90A/UAR75/Ogień+	Ogień Plus	15,0	DF	UAR75	600	glass wool/rock wool	50	12	5130	36	34	30		18,0	-	-
90A/UAR75/Twarda	Twarda	15,0	DEFH1IR	UAR75	600	glass wool/rock wool	50	12	5130	36	34	30		20,0	-	●
90A/UAR75/Hydro	Hydro	15,0	GMFH1I	UAR75	600	glass wool/rock wool	50	12	5130	36	34	30		18,0	-	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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.)

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht									
		87.5A/UAR75/ Expert	87.5A/UAR75/ Woda	87.5A/UAR75/ Ogień+	87.5A/UAR75/ WodaOgień+	87.5A/UAR75/ Cicha	87.5A/UAR75/ Twarda	87.5A/UAR75/ Hydro	90A/UAR75/ Ogień+	90A/UAR75/ Twarda	90A/UAR75/ Hydro
		Consumption of material per 1m²									
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	1,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	1,0	-	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	1,0	-	-	-	-	-	-
Nida Cicha 12.5 mm plasterboard	m²	-	-	-	-	1,0	-	-	-	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	-	-	-	1,0	-	-	-	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	-	-	-	1,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	1,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	1,0
NIDA UAR75 frame profile	lm	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
Nida angle profile for UA75 profile	pcs.	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85
FLAT HEAD M8 bolt with serrated nut	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	12,0	12,0	-	-	-	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	12,0	-	-	12,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	12,0	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	0,3	0,3	0,3	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	-	-	0,4	0,4	-	0,4	0,4
Mineral wool [6]	m²	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] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements
The standards concerning the amount of utilised material do not cover the loss of the material.

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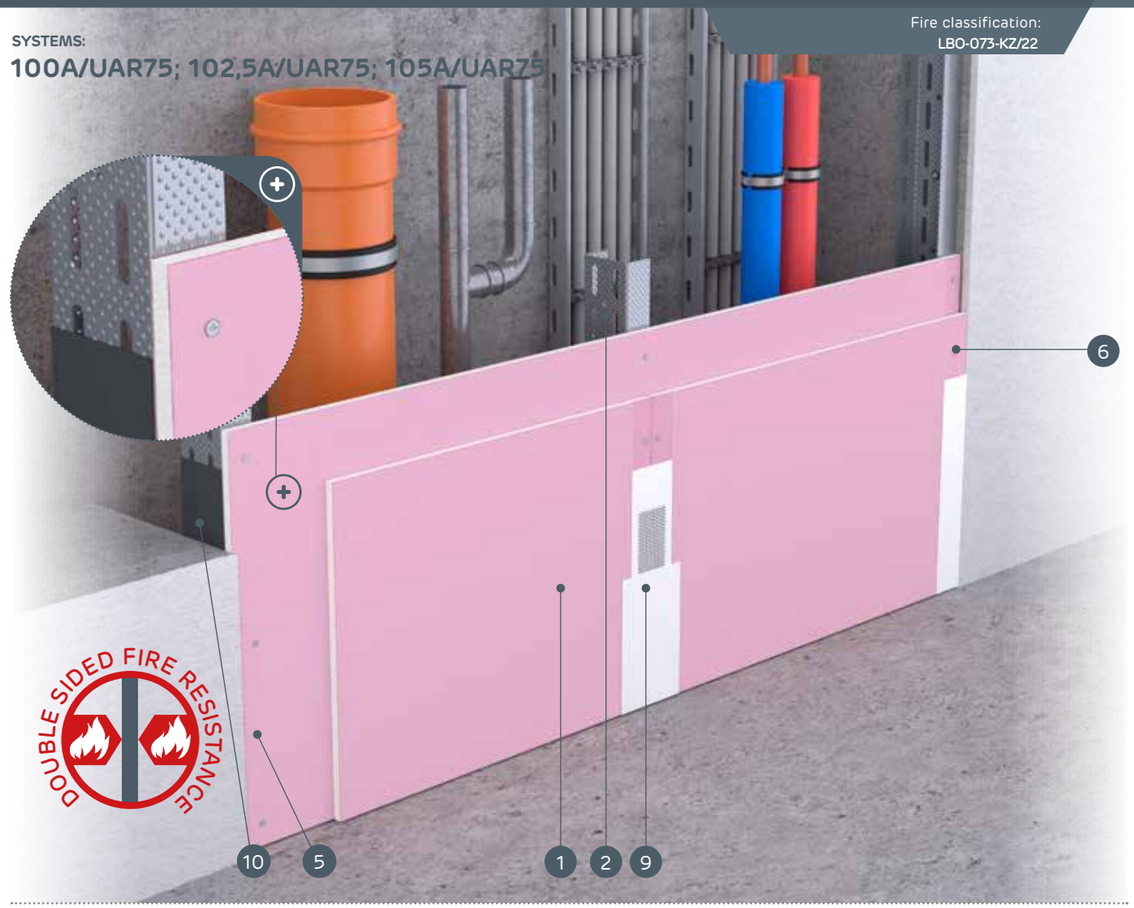
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI30 (R)EI60	41 dB	5170 mm	21,0-36,0 kg	Fire Classification

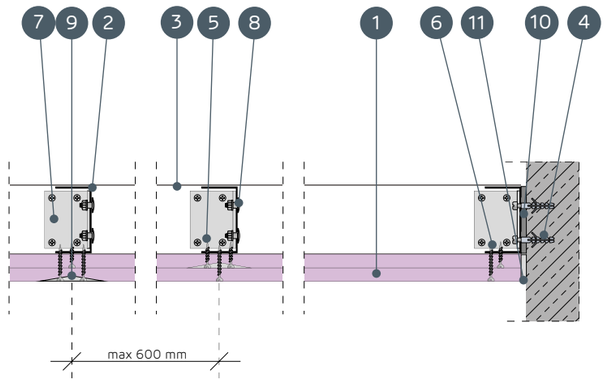
SYSTEMS:
100A/UAR75; 102,5A/UAR75; 105A/UAR75

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR75 profile
3. Nida U75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Profile angle for UA 75 profiles
8. FLAT HEAD M8 bolt with serrated nut
9. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
10. Sealing tape for Nida acoustic insulation
11. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
100A/UAR75/Expert	Expert	2x12,5	A	UAR75	600	glass wool/rock wool	50	12	5170	37	35	31	21,0	-	-
100A/UAR75/Woda [3]	Woda	2x12,5	H2	UAR75	600	glass wool/rock wool	50	12	5170	37	35	31	21,0	-	-
100A/UAR75/OgieńTypF	Ogień Typ F	2x12,5	F	UAR75	600	glass wool/rock wool	50	12	5170	37	35	31	23,0	(R)EI30	-
100A/UAR75/Ogień+	Ogień Plus	2x12,5	DF	UAR75	600	glass wool/rock wool	50	12	5170	40	38	35	25,0	(R)EI30	-
100A/UAR75/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	UAR75	600	glass wool/rock wool	50	12	5170	40	38	35	25,0	(R)EI30	-
100A/UAR75/Cicha	Cicha	2x12,5	DFH1IR	UAR75	600	glass wool/rock wool	50	12	5170	40	38	35	31,0	(R)EI30	●
100A/UAR75/Twarda	Twarda	2x12,5	DEFH1IR	UAR75	600	glass wool/rock wool	50	12	5170	40	38	35	31,0	(R)EI30	●
100A/UAR75/Hydro	Hydro	2x12,5	GMFH1I	UAR75	600	glass wool/rock wool	50	12	5170	40	38	35	27,0	(R)EI30	●
102,5A/UAR75/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	UAR75	600	glass wool/rock wool	50	12	5170	40	38	35	29,0	(R)EI60	-
105A/UAR75/Ogień+	Ogień Plus	2x15,0	DF	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	32,0	(R)EI60	-
105A/UAR75/Twarda	Twarda	2x15,0	DEFH1IR	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	36,0	(R)EI60	●
105A/UAR75/Hydro	Hydro	2x15,0	GMFH1I	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	32,0	(R)EI60	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht											
		100A/UAR75/ Expert	100A/UAR75/ Woda	100A/UAR75/ OgieńTypF	100A/UAR75/ Ogień+	100A/UAR75/ WodaOgień+	100A/UAR75/ Cicha	100A/UAR75/ Twarda	100A/UAR75/ Hydro	102,5A/ UAR75/ Ogień+	105A/UAR75/ Ogień+	105A/UAR75/ Twarda	105A/UAR75/ Hydro
		Consumption of material per 1m²											
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	2,0	-	-	-	-	-	-	-	-	-	-
Nida Ogień Typ F 12.5 mm plasterboard	m²	-	-	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	-	2,0	-	-	-	-	1,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	2,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	2,0
NIDA UAR75 frame 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
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
Nida angle profile for UA75 profile	pcs.	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85
FLAT HEAD M8 bolt with serrated nut	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
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
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	4,0	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	-	-	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	-	12,0	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	16,0	16,0	-	-	-	16,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [6]	kg	-	-	-	-	-	-	0,7	0,7	-	-	0,7	0,7
Mineral wool [7]	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

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

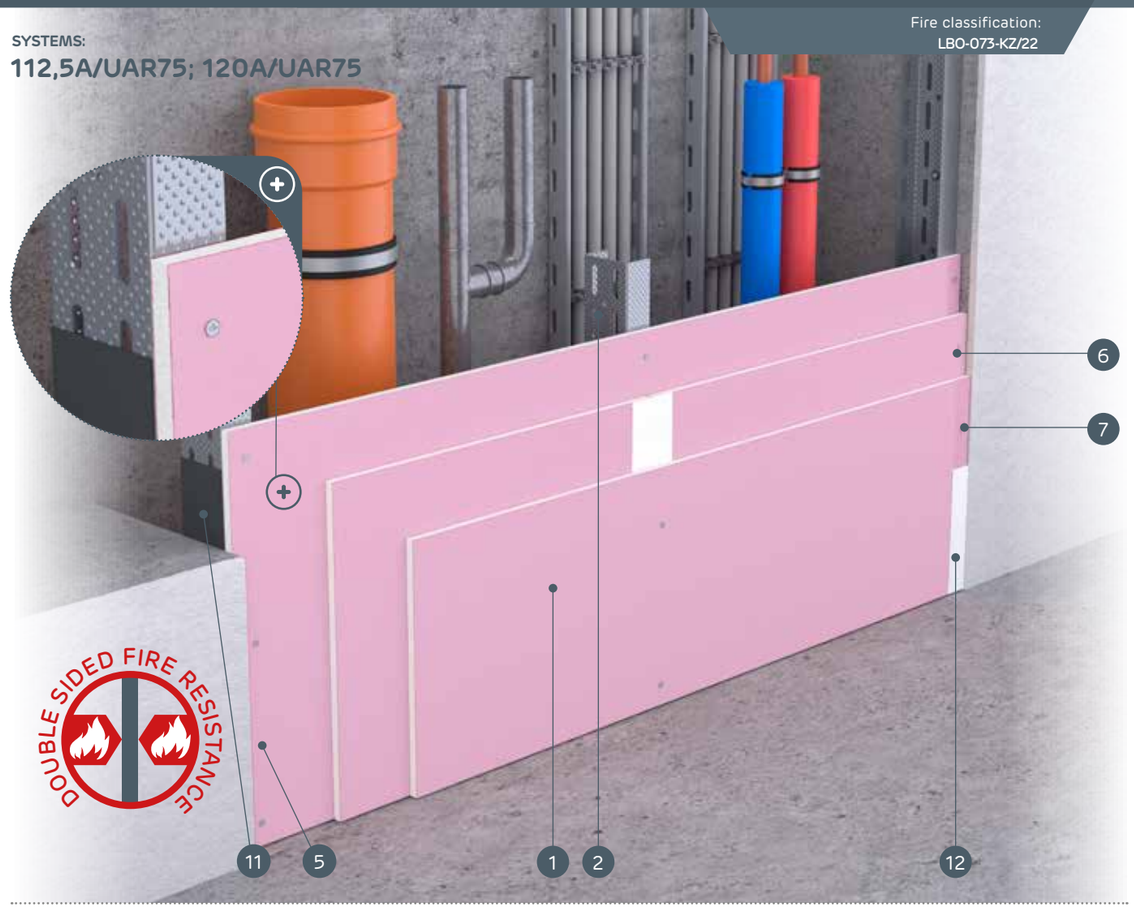
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60 (R)EI120	41 dB	5170 mm	35,0-46,0 kg	Fire Classification

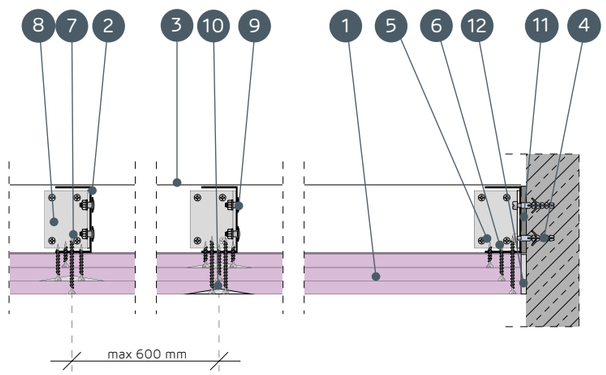
SYSTEMS:
112,5A/UAR75; 120A/UAR75

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR75 profile
3. Nida U75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Nida 3.5 x 55 mm screws for 2 mm thick sheet metal
8. Profile angle for UA75 profiles
9. FLAT HEAD M8 bolt with serrated nut
10. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
11. Sealing tape for Nida acoustic insulation
12. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
112,5A/UAR75/Ogień+	Ogień Plus	3x12,5	DF	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	35,0	(R)EI60	-
112,5A/UAR75/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	35,0	(R)EI60	-
112,5A/UAR75/Cicha	Cicha	3x12,5	DFH1IR	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	44,0	(R)EI60	●
112,5A/UAR75/Twarda	Twarda	3x12,5	DEFH1IR	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	44,0	(R)EI60	●
112,5A/UAR75/Hydro	Hydro	3x12,5	GMFH1I	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	38,0	(R)EI60	●
120A/UAR75/Ogień+ [3]	Ogień Plus	3x15,0	DF	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	46,0	(R)EI120	-
120A/UAR75/WodaOgień+ [3]	Woda Ogień Plus	3x15,0	DFH2	UAR75	600	glass wool/rock wool	50	12	5170	41	40	37	46,0	(R)EI120	-

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht						
		112,5A/UAR75/ Ogień+	112,5A/UAR75/ WodaOgień+	112,5A/UAR75/ Cicha	112,5A/UAR75/ Twarda	112,5A/UAR75/ Hydro	120A/UAR75/ Ogień+	120A/UAR75/ WodaOgień+
		Consumption of material per 1m²						
Nida Ogień Plus 12.5 mm plasterboard	m²	3,0	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	3,0	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	3,0	-
Nida Woda Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	3,0
NIDA UAR75 frame 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
Nida angle profile for UA75 profile	pcs.	0,85	0,85	0,85	0,85	0,85	0,85	0,85
FLAT HEAD M8 bolt with serrated nut	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	4,0	4,0
Nida 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	-	-	-	-	-
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	12,0	12,0
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	8,0	8,0	-	-	-
Nida Twarda 4.2x65 mm screws for 2 mm thick sheet metal	pcs.	-	-	12,0	12,0	-	-	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	-	-			12,0	-	-
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,1	0,1	0,1	-	-	0,1	0,1
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	1,0	1,0	-	-
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.
The standards concerning the amount of utilised material do not cover the loss of the material.

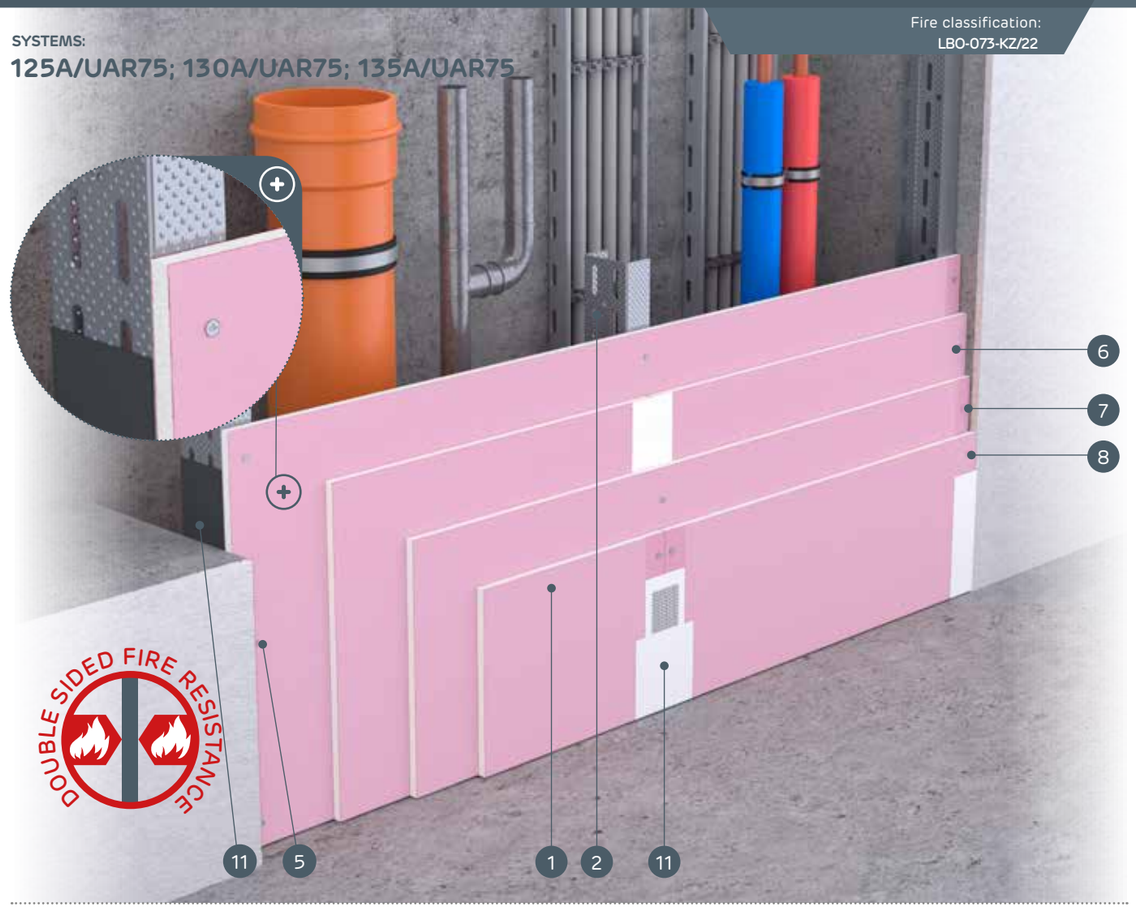
ENCASEMENTS FOR VERTICAL SHAFTS

Nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI90 (R)EI120	44 dB	5170 mm	46,0-68,0 kg	Fire Classification

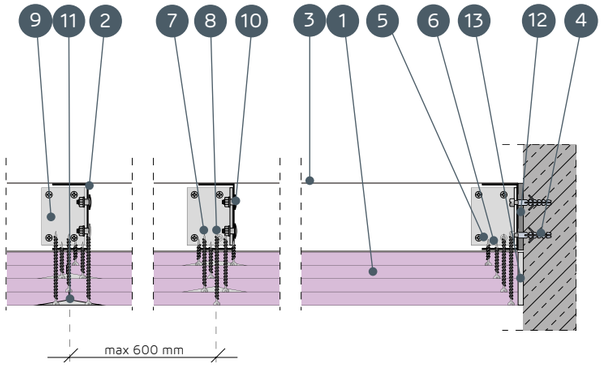
SYSTEMS:
125A/UAR75; 130A/UAR75; 135A/UAR75

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR75 profile
3. Nida U75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Nida 3.5 x 55 mm screws for 2 mm thick sheet metal
8. Nida 4.2 x 70 mm screws for 2 mm thick sheet metal
9. Profile angle for UA75 profiles
10. FLAT HEAD M8 bolt with serrated nut
11. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
12. Sealing tape for Nida acoustic insulation
13. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
125A/UAR75/Ogień+	Ogień Plus	4x12,5	DF	UAR75	600	glass wool/rock wool	75	14	5170	43	41	38	46,0	(R)EI90	-
125A/UAR75/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	UAR75	600	glass wool/rock wool	75	14	5170	43	41	38	46,0	(R)EI90	-
125A/UAR75/Cicha	Cicha	4x12,5	DFH1IR	UAR75	600	glass wool/rock wool	75	14	5170	43	41	38	57,0	(R)EI90	●
125A/UAR75/Twarda	Twarda	4x12,5	DEFH1IR	UAR75	600	glass wool/rock wool	75	14	5170	43	41	38	57,0	(R)EI90	●
125A/UAR75/Hydro	Hydro	4x12,5	GMFH1I	UAR75	600	glass wool/rock wool	75	14	5170	43	41	38	49,0	(R)EI90	●
130A/UAR75/Ogień+	Ogień Plus	2x12,5+2x15,0	DF	UAR75	600	glass wool/rock wool	75	14	5170	43	41	38	53,0	(R)EI120	-
135A/UAR75/Ogień+	Ogień Plus	4x15,0	DF	UAR75	600	glass wool/rock wool	75	14	5170	44	42	40	60,0	(R)EI120	-
135A/UAR75/Twarda	Twarda	4x15,0	DEFH1IR	UAR75	600	glass wool/rock wool	75	14	5170	44	42	40	68,0	(R)EI120	●
135A/UAR75/Hydro	Hydro	4x15,0	GMFH1I	UAR75	600	glass wool/rock wool	75	14	5170	44	42	40	60,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht								
		125A/UAR75/Ogień+	125A/UAR75/WodaOgień+	125A/UAR75/Cicha	125A/UAR75/Twarda	125A/UAR75/Hydro	130A/UAR75/Ogień+	135A/UAR75/Ogień+	135A/UAR75/Twarda	135A/UAR75/Hydro
		Consumption of material per 1m²								
Nida Ogień Plus 12.5 mm plasterboard	m²	4,0	-	-	-	-	2,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	4,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	4,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0
NIDA UAR75 frame profile	lm	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
Nida angle profile for UA75 profile	pcs.	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85
FLAT HEAD M8 bolt with serrated nut	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [3]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	4,0	4,0	-	-
Nida 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0				12,0	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	8,0	8,0	-	-	-	8,0	-
Nida Twarda 4.2x65 mm screws for 2 mm thick sheet metal	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
Nida Twarda 4.2x75 mm screws for 2 mm thick sheet metal	pcs.	-	-	12,0	12,0	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [4]	kg	-	-	-	1,3	1,3	-	-	1,3	1,3
Mineral wool [5]	m²	1,0	1,0	1,0	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
The standards concerning the amount of utilised material do not cover the loss of the material.

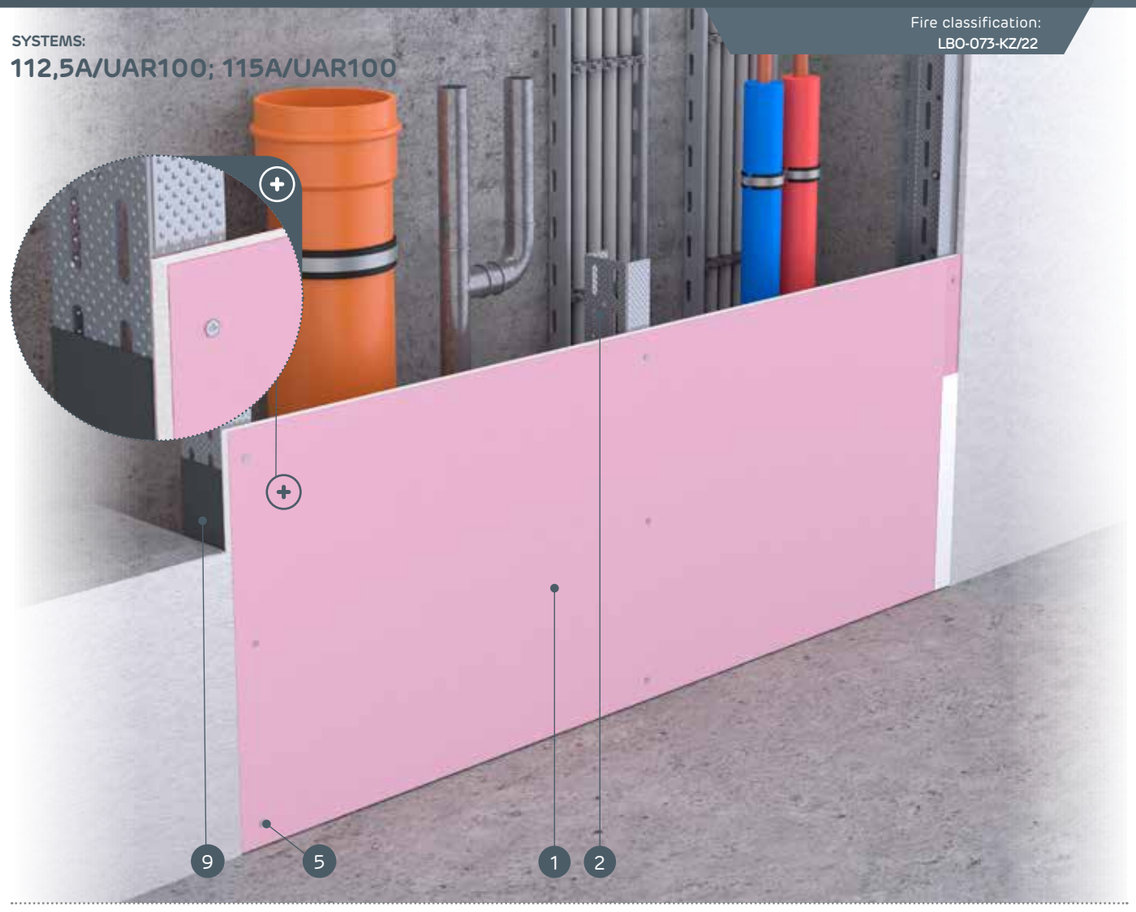
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
N/A	36 dB	6170 mm	14,0-21,0 kg	Fire Classification

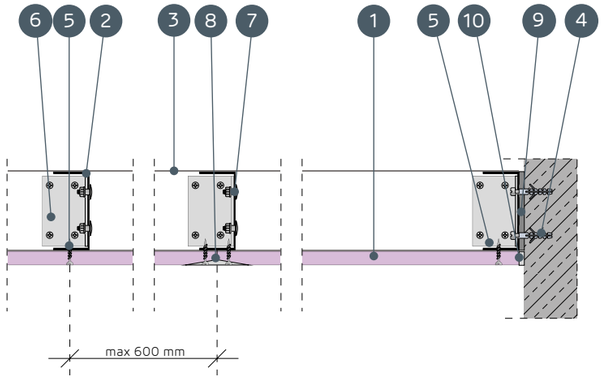
SYSTEMS:
112,5A/UAR100; 115A/UAR100

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR100 profile
3. Nida U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Profile angle for UA100 profiles
7. FLAT HEAD M8 bolt with serrated nut
8. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
112,5A/UAR100/Expert	Expert	12,5	A	UAR100	600	glass wool/rock wool	50	12	6170	34	32	28	14,0	-	-
112,5A/UAR100/Woda [3]	Woda	12,5	H2	UAR100	600	glass wool/rock wool	50	12	6170	34	32	28	14,0	-	-
112,5A/UAR100/Ogień+	Ogień Plus	12,5	DF	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	16,0	-	-
112,5A/UAR100/WodaOgień+	Woda Ogień Plus	12,5	DFH2	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	16,0	-	-
112,5A/UAR100/Cicha	Cicha	12,5	DFH1IR	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	19,0	-	●
112,5A/UAR100/Twarda	Twarda	12,5	DEFH1IR	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	19,0	-	●
112,5A/UAR100/Hydro	Hydro	12,5	GMFH1I	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	16,0	-	●
115A/UAR100/Ogień+	Ogień Plus	15,0	DF	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	19,0	-	-
115A/UAR100/Twarda	Twarda	15,0	DEFH1IR	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	21,0	-	●
115A/UAR100/Hydro	Hydro	15,0	GMFH1I	UAR100	600	glass wool/rock wool	50	12	6170	36	34	30	19,0	-	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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.)

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht									
		112,5A/UAR100/Expert	112,5A/UAR100/Woda	112,5A/UAR100/Ogień+	112,5A/UAR100/WodaOgień+	112,5A/UAR100/Cicha	112,5A/UAR100/Twarda	112,5A/UAR100/Hydro	115A/UAR100/Ogień+	115A/UAR100/Twarda	115A/UAR100/Hydro
		Consumption of material per 1m²									
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	1,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	1,0	-	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	1,0	-	-	-	-	-	-
Nida Cicha 12.5 mm plasterboard	m²	-	-	-	-	1,0	-	-	-	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	-	-	-	1,0	-	-	-	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	-	-	-	1,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	1,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	1,0
NIDA UAR100 frame profile	lm	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
Nida angle profile for UA100 profile	pcs.	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85
FLAT HEAD M8 bolt with serrated nut	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	12,0	12,0	-	-	-	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	12,0	-	-	12,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	12,0	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	0,3	0,3	0,3	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	-	-	0,4	0,4	-	0,4	0,4
Mineral wool [6]	m²	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] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements
The standards concerning the amount of utilised material do not cover the loss of the material.

ENCASEMENTS FOR VERTICAL SHAFTS

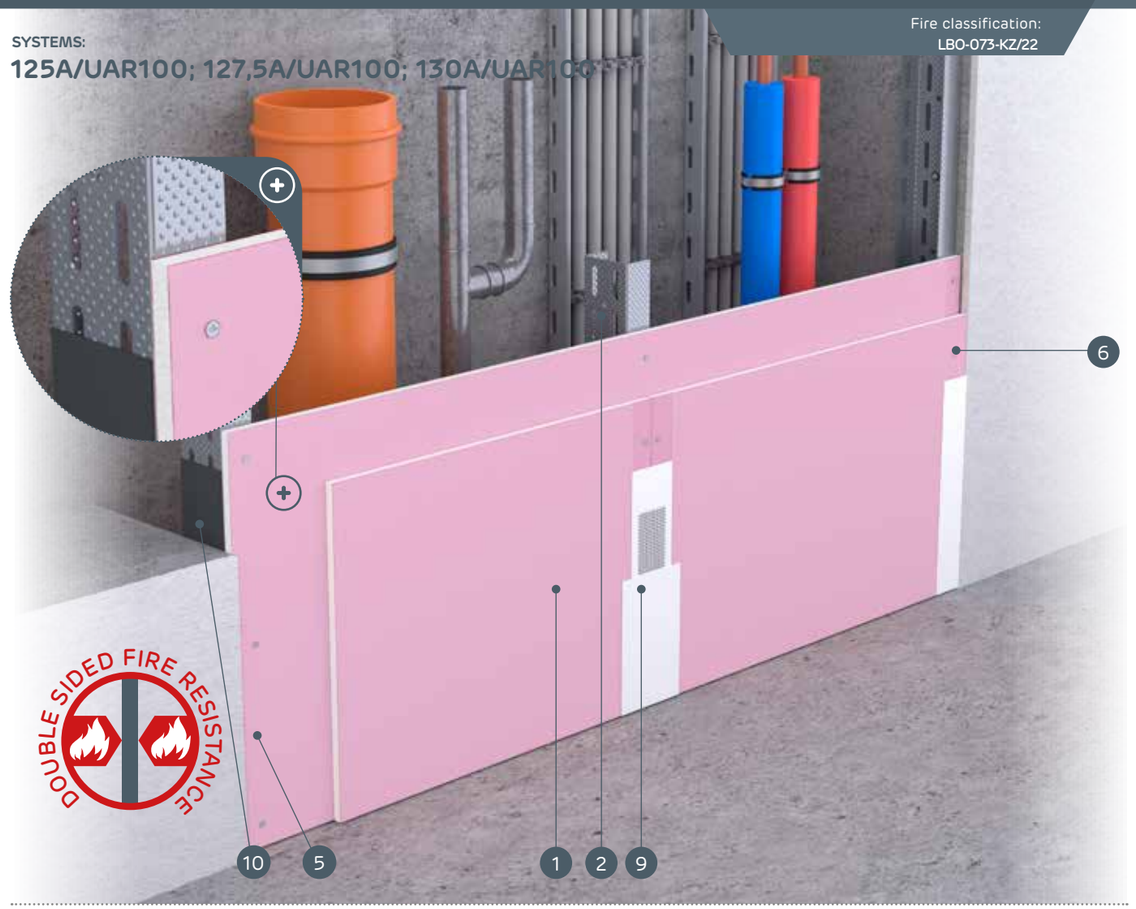
nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI30 (R)EI60	41 dB	6250 mm	22,0-37,0 kg	Fire Classification

SYSTEMS:

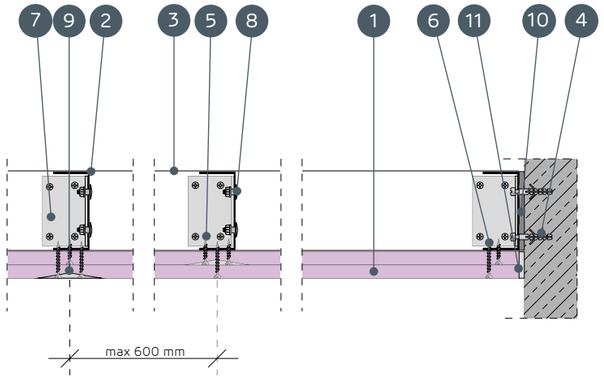
125A/UAR100; 127,5A/UAR100; 130A/UAR100

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR100 profile
3. Nida U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Profile angle for UA100 profiles
8. FLAT HEAD M8 bolt with serrated nut
9. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
10. Sealing tape for Nida acoustic insulation
11. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Type of Nida profile	Axial spacing between Nida profiles [mm]	Within the range of the acoustic insulation: Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
125A/UAR100/Expert	Expert	2x12,5	A	UAR100	600	glass wool/rock wool	50	12	6250	37	35	31	22,0	-	-
125A/UAR100/Woda [3]	Woda	2x12,5	H2	UAR100	600	glass wool/rock wool	50	12	6250	37	35	31	22,0	-	-
125A/UAR100/OgieńTypF	Ogień Typ F	2x12,5	F	UAR100	600	glass wool/rock wool	50	12	6170	37	35	31	24,0	(R)EI30	-
125A/UAR100/Ogień+	Ogień Plus	2x12,5	DF	UAR100	600	glass wool/rock wool	50	12	6170	40	38	35	26,0	(R)EI30	-
125A/UAR100/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	UAR100	600	glass wool/rock wool	50	12	6170	40	38	35	26,0	(R)EI30	-
125A/UAR100/Cicha	Cicha	2x12,5	DFH1IR	UAR100	600	glass wool/rock wool	50	12	6170	40	38	35	32,0	(R)EI30	●
125A/UAR100/Twarda	Twarda	2x12,5	DEFH1IR	UAR100	600	glass wool/rock wool	50	12	6170	40	38	35	32,0	(R)EI30	●
125A/UAR100/Hydro	Hydro	2x12,5	GMFH1I	UAR100	600	glass wool/rock wool	50	12	6170	40	38	35	27,0	(R)EI30	●
127,5A/UAR100/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	UAR100	600	glass wool/rock wool	50	12	6170	40	38	35	30,0	(R)EI60	-
130A/UAR100/Ogień+	Ogień Plus	2x15,0	DF	UAR100	600	glass wool/rock wool	50	12	6170	41	40	37	33,0	(R)EI60	-
130A/UAR100/Twarda	Twarda	2x15,0	DEFH1IR	UAR100	600	glass wool/rock wool	50	12	6170	41	40	37	37,0	(R)EI60	●
130A/UAR100/Hydro	Hydro	2x15,0	GMFH1I	UAR100	600	glass wool/rock wool	50	12	6170	41	40	37	33,0	(R)EI60	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht: 125A/UAR100/Expert	125A/UAR100/Woda	125A/UAR100/OgieńTypF	125A/UAR100/Ogień+	125A/UAR100/WodaOgień+	125A/UAR100/Cicha	125A/UAR100/Twarda	125A/UAR100/Hydro	127,5A/UAR100/Ogień+	130A/UAR100/Ogień+	130A/UAR100/Twarda	130A/UAR100/Hydro
		Consumption of material per 1m²											
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	2,0	-	-	-	-	-	-	-	-	-	-
Nida Ogień Typ F 12.5 mm plasterboard	m²	-	-	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	-	2,0	-	-	-	-	1,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	2,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	2,0
NIDA UAR100 frame 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
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
Nida angle profile for UA100 profile	pcs.	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85
FLAT HEAD M8 bolt with serrated nut	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
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
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	4,0	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	-	-	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	-	12,0	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	16,0	16,0	-	-	-	16,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [6]	kg	-	-	-	-	-	-	0,7	0,7	-	-	0,7	0,7
Mineral wool [7]	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

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

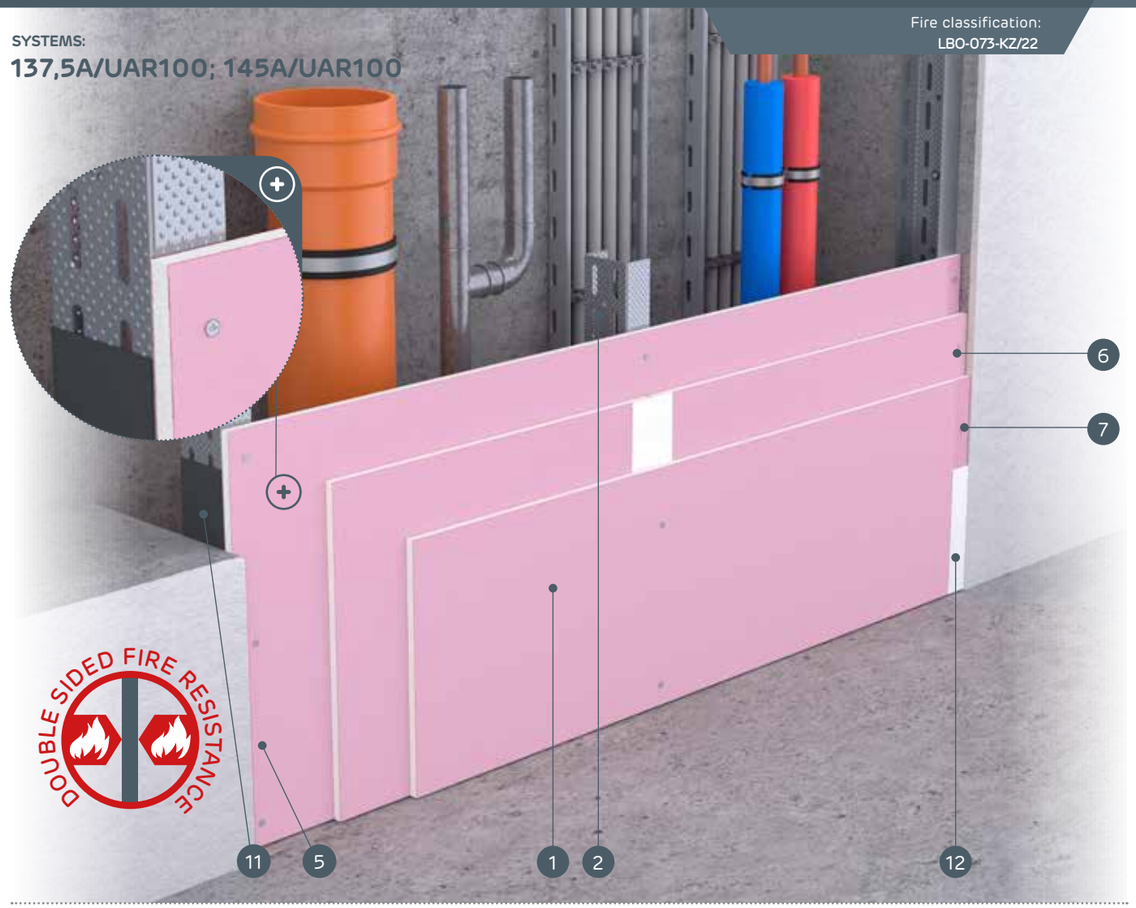
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60 (R)EI120	45 dB	6170 mm	36,0-47,0 kg	Fire Classification

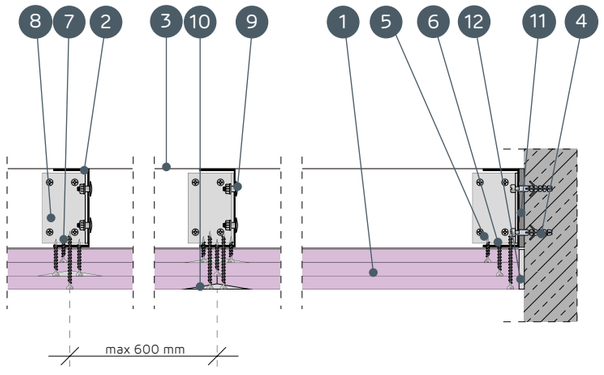
SYSTEMS:
137,5A/UAR100; 145A/UAR100

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR100 profile
3. Nida U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Nida 3.5 x 55 mm screws for 2 mm thick sheet metal
8. Profile angle for UA100 profiles
9. FLAT HEAD M8 bolt with serrated nut
10. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
11. Sealing tape for Nida acoustic insulation
12. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
137,5A/UAR100/Ogień+	Ogień Plus	3x12,5	DF	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	36,0	(R)EI60	-
137,5A/UAR100/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	36,0	(R)EI60	-
137,5A/UAR100/Cicha	Cicha	3x12,5	DFH1IR	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	45,0	(R)EI60	●
137,5A/UAR100/Twarda	Twarda	3x12,5	DEFH1IR	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	45,0	(R)EI60	●
137,5A/UAR100/Hydro	Hydro	3x12,5	GMFH1I	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	39,0	(R)EI60	●
145A/UAR100/Ogień+ [3]	Ogień Plus	3x15,0	DF	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	47,0	(R)EI120	-
145A/UAR100/WodaOgień+ [3]	Woda Ogień Plus	3x15,0	DFH2	UAR100	600	glass wool/rock wool	100	12	6170	45	44	39	47,0	(R)EI120	-

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht						
		137,5A/ UAR100/ Ogień+	137,5A/ UAR100/ WodaOgień+	137,5A/ UAR100/Cicha	137,5A/ UAR100/ Twarda	137,5A/ UAR100/ Hydro	145A/UAR100/ Ogień+	145A/UAR100/ WodaOgień+
		Consumption of material per 1m²						
Nida Ogień Plus 12.5 mm plasterboard	m²	3,0	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	3,0	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	3,0	-
Nida Woda Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	3,0
NIDA UAR100 frame 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
Nida angle profile for UA100 profile	pcs.	0,85	0,85	0,85	0,85	0,85	0,85	0,85
FLAT HEAD M8 bolt with serrated nut	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	4,0	4,0
Nida 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	-	-	-	-	-
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	12,0	12,0
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	8,0	8,0	-	-	-
Nida Twarda 4.2x65 mm screws for 2 mm thick sheet metal	pcs.	-	-	12,0	12,0	-	-	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	-	-			12,0	-	-
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,1	0,1	0,1	-	-	0,1	0,1
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	1,0	1,0	-	-
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.
The standards concerning the amount of utilised material do not cover the loss of the material.

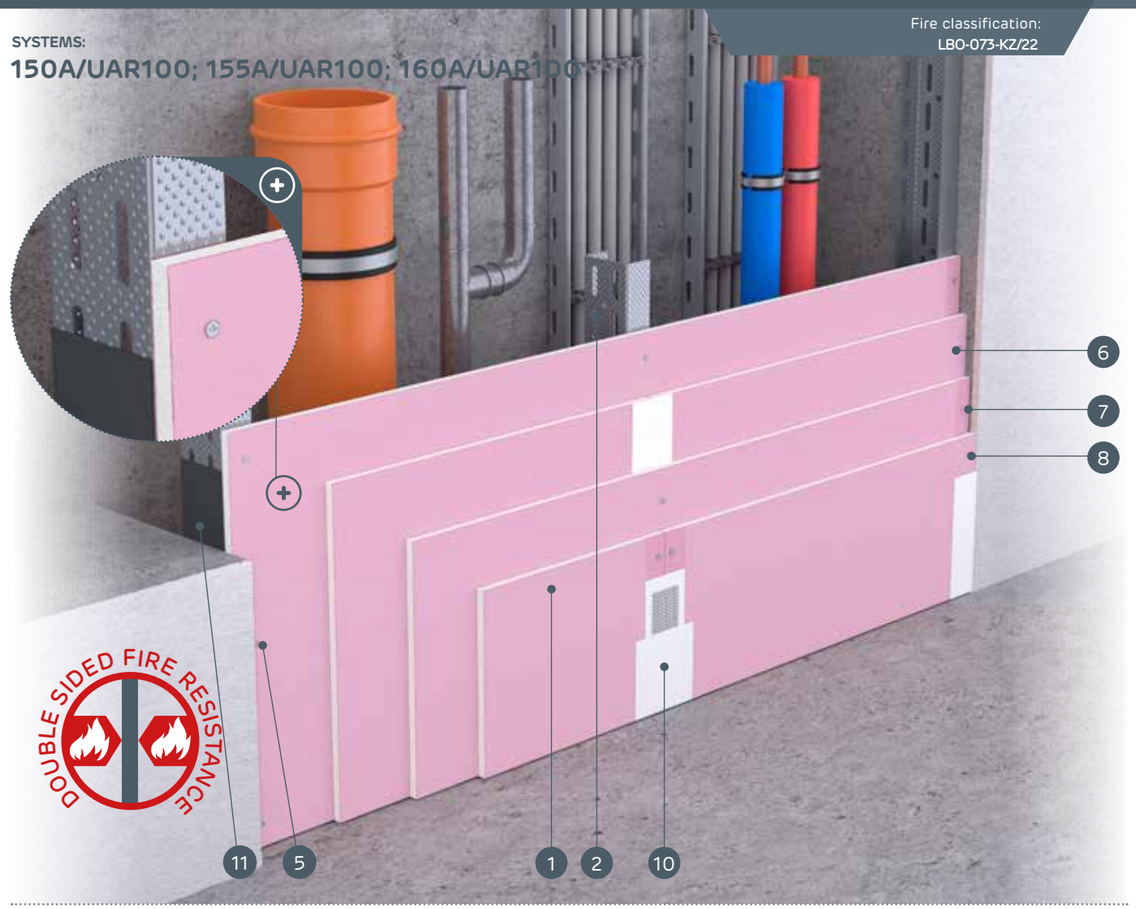
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI90 (R)EI120	45 dB	6170 mm	46,0-68,0 kg	Fire Classification

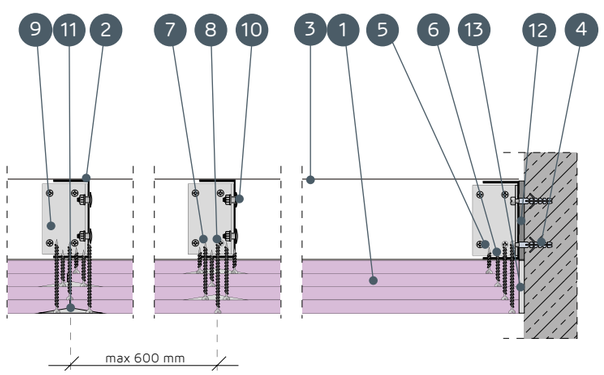
SYSTEMS:
150A/UAR100; 155A/UAR100; 160A/UAR100

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR100 profile
3. Nida U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Nida 3.5 x 55 mm screws for 2 mm thick sheet metal
8. Nida 4.2 x 70 mm screws for 2 mm thick sheet metal
9. Profile angle for UA100 profiles
10. FLAT HEAD M8 bolt with serrated nut
11. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
12. Sealing tape for Nida acoustic insulation
13. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE NIDA UAR100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
150A/UAR100/Ogień+	Ogień Plus	4x12,5	DF	UAR100	600	glass wool/rock wool	100	14	6170	44	42	39	46,0	(R)EI90	-
150A/UAR100/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	UAR100	600	glass wool/rock wool	100	14	6170	44	42	39	46,0	(R)EI90	-
150A/UAR100/Cicha	Cicha	4x12,5	DFH1IR	UAR100	600	glass wool/rock wool	100	14	6170	44	42	39	57,0	(R)EI90	●
150A/UAR100/Twarda	Twarda	4x12,5	DEFH1IR	UAR100	600	glass wool/rock wool	100	14	6170	44	42	39	57,0	(R)EI90	●
150A/UAR100/Hydro	Hydro	4x12,5	GMFH1I	UAR100	600	glass wool/rock wool	100	14	6170	44	42	39	49,0	(R)EI90	●
155A/UAR100/Ogień+	Ogień Plus	2x12,5+2x15,0	DF	UAR100	600	glass wool/rock wool	100	14	6170	44	42	39	53,0	(R)EI120	-
160A/UAR100/Ogień+	Ogień Plus	4x15,0	DF	UAR100	600	glass wool/rock wool	100	14	6170	45	44	40	60,0	(R)EI120	-
160A/UAR100/Twarda	Twarda	4x15,0	DEFH1IR	UAR100	600	glass wool/rock wool	100	14	6170	45	44	40	68,0	(R)EI120	●
160A/UAR100/Hydro	Hydro	4x15,0	GMFH1I	UAR100	600	glass wool/rock wool	100	14	6170	45	44	40	60,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht								
		150A/ UAR100/ Ogień+	150A/ UAR100/ WodaOgień+	150A/ UAR100/ Cicha	150A/ UAR100/ Twarda	150A/ UAR100/ Hydro	155A/ UAR100/ Ogień+	160A/ UAR100/ Ogień+	160A/ UAR100/ Twarda	160A/ UAR100/ Hydro
		Consumption of material per 1m²								
Nida Ogień Plus 12.5 mm plasterboard	m²	4,0	-	-	-	-	2,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	4,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	4,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0
NIDA UAR100 frame profile	lm	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
Nida angle profile for UA100 profile	pcs.	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85
FLAT HEAD M8 bolt with serrated nut	pcs.	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
Anchoring element [3]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	4,0	4,0	-	-
Nida 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0				12,0	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	8,0	8,0	-	-	-	8,0	-
Nida Twarda 4.2x65 mm screws for 2 mm thick sheet metal	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
Nida Twarda 4.2x75 mm screws for 2 mm thick sheet metal	pcs.	-	-	12,0	12,0	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [4]	kg	-	-	-	1,3	1,3	-	-	1,3	1,3
Mineral wool [5]	m²	1,0	1,0	1,0	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.
The standards concerning the amount of utilised material do not cover the loss of the material.

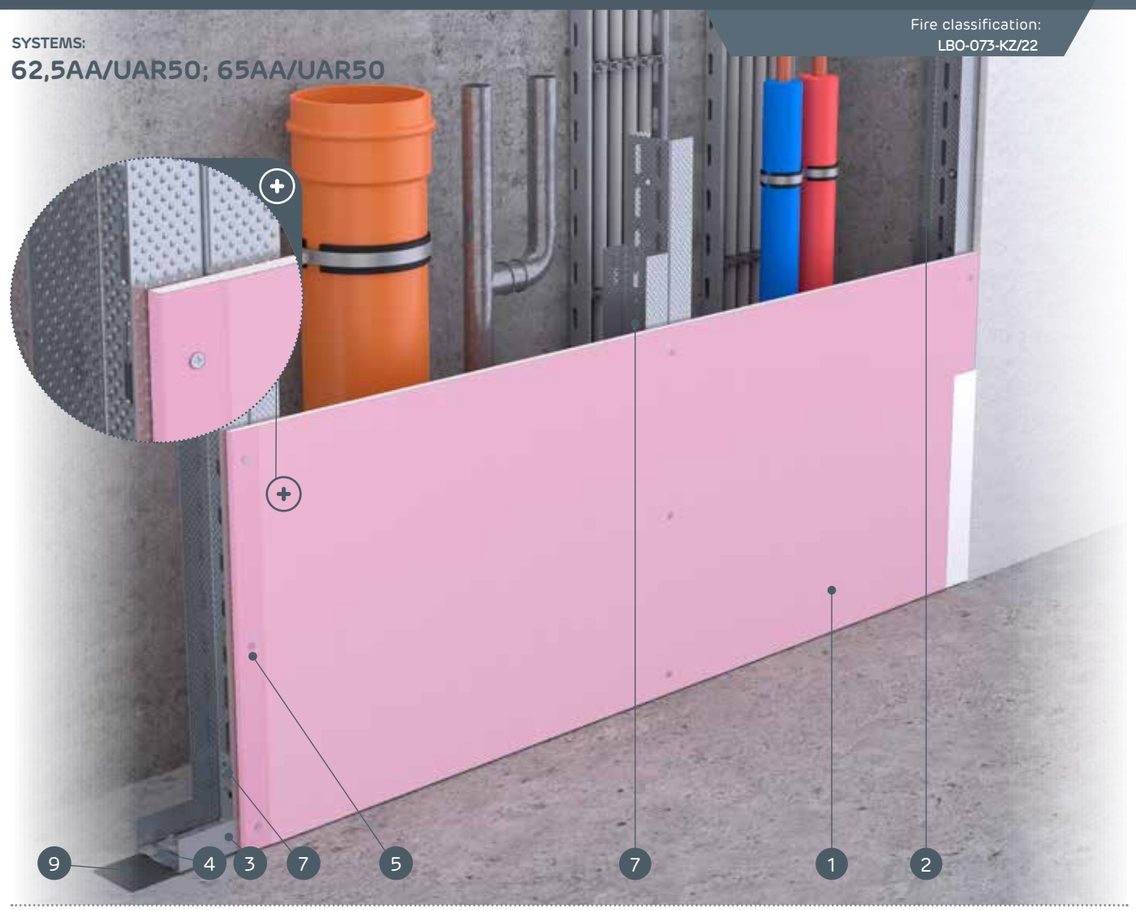
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
N/A	N/A	5000 mm	15,0-23,0 kg	Fire Classification

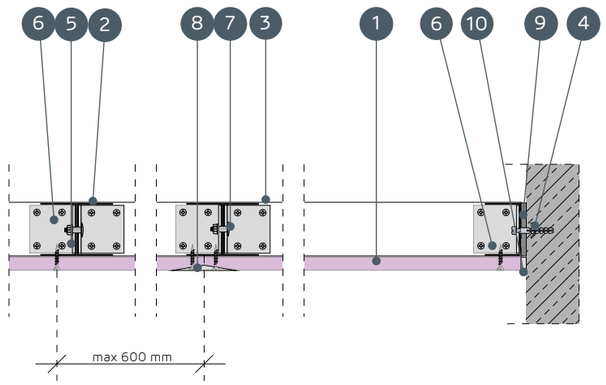
SYSTEMS:
62,5AA/UAR50; 65AA/UAR50

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR50 profile
3. Nida U50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Profile angle for UA50 profiles
7. FLAT HEAD M8 bolt with serrated nut
8. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR50 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
62,5AA/UAR50/Expert	Expert	12,5	A	2xUAR50	600	optional	-	-	5000	-	-	-	15,0	-	-
62,5AA/UAR50/Woda [3]	Woda	12,5	H2	2xUAR50	600	optional	-	-	5000	-	-	-	15,0	-	-
62,5AA/UAR50/Ogień+	Ogień Plus	12,5	DF	2xUAR50	600	optional	-	-	5000	-	-	-	17,0	-	-
62,5AA/UAR50/WodaOgień+	Woda Ogień Plus	12,5	DFH2	2xUAR50	600	optional	-	-	5000	-	-	-	17,0	-	-
62,5AA/UAR50/Cicha	Cicha	12,5	DFH1IR	2xUAR50	600	optional	-	-	5000	-	-	-	20,0	-	●
62,5AA/UAR50/Twarda	Twarda	12,5	DEFH1IR	2xUAR50	600	optional	-	-	5000	-	-	-	20,0	-	●
62,5AA/UAR50/Hydro	Hydro	12,5	GMFH1I	2xUAR50	600	optional	-	-	5000	-	-	-	18,0	-	●
65AA/UAR50/Ogień+	Ogień Plus	15,0	DF	2xUAR50	600	optional	-	-	5000	-	-	-	21,0	-	-
65AA/UAR50/Twarda	Twarda	15,0	DEFH1IR	2xUAR50	600	optional	-	-	5000	-	-	-	23,0	-	●
65AA/UAR50/Hydro	Hydro	15,0	GMFH1I	2xUAR50	600	optional	-	-	5000	-	-	-	21,0	-	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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.)

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht									
		62,5AA/UAR50/Expert	62,5AA/UAR50/Woda	62,5AA/UAR50/Ogień+	62,5AA/UAR50/WodaOgień+	62,5AA/UAR50/Cicha	62,5AA/UAR50/Twarda	62,5AA/UAR50/Hydro	65AA/UAR50/Ogień+	65AA/UAR50/Twarda	65AA/UAR50/Hydro
		Consumption of material per 1m²									
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	1,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	1,0	-	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	1,0	-	-	-	-	-	-
Nida Cicha 12.5 mm plasterboard	m²	-	-	-	-	1,0	-	-	-	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	-	-	-	1,0	-	-	-	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	-	-	-	1,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	1,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	1,0
NIDA UAR50 frame profile	lm	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
Nida angle profile for UA50 profile	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
FLAT HEAD M8 bolt with serrated nut	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	12,0	12,0	-	-	-	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	12,0	-	-	12,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	12,0	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	0,3	0,3	0,3	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	-	-	0,4	0,4	-	0,4	0,4
Mineral wool [6]	m²	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] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements.
The standards concerning the amount of utilised material do not cover the loss of the material.

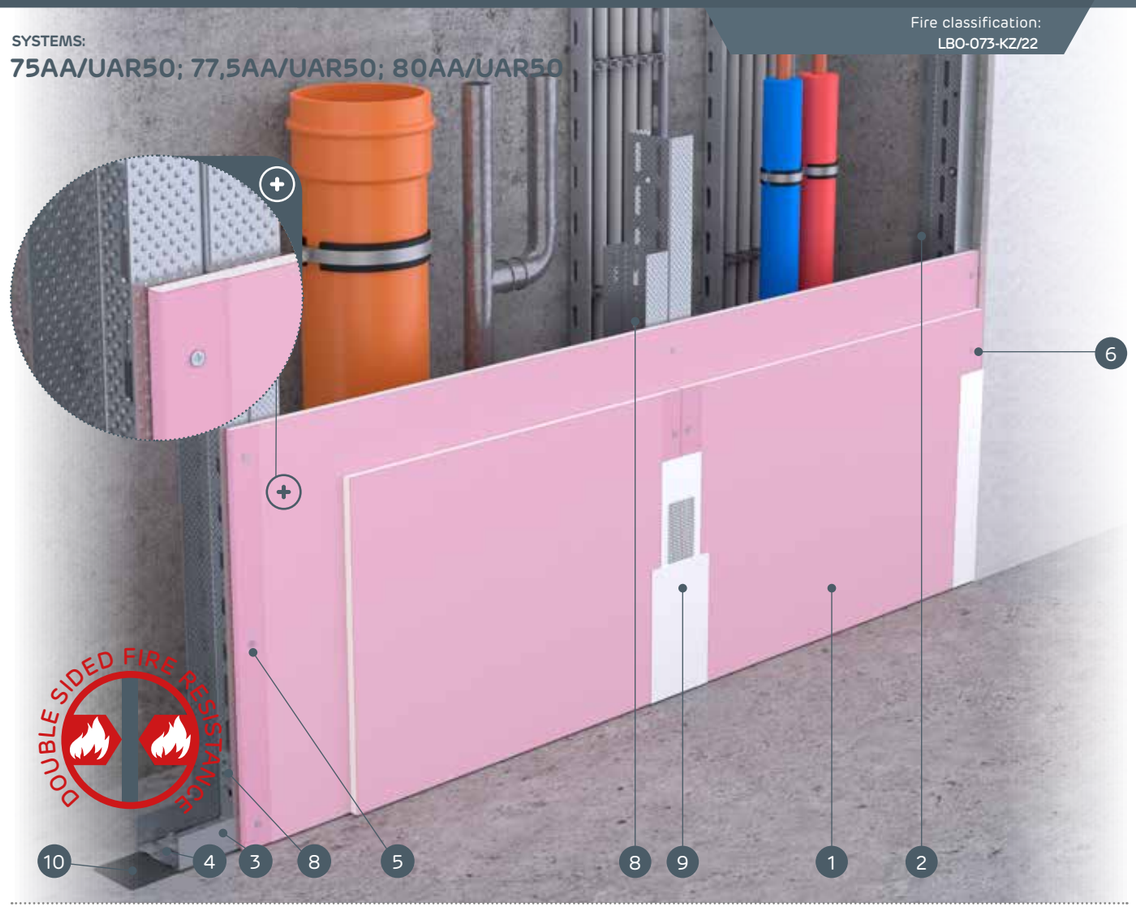
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI30 (R)EI60	N/A	5310 mm	23,0-38,0 kg	Fire Classification

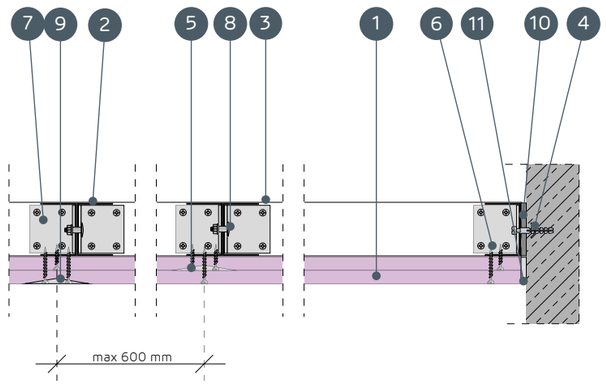
SYSTEMS:
75AA/UAR50; 77,5AA/UAR50; 80AA/UAR50

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR50 profile
3. Nida U50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Profile angle for UA50 profiles
8. FLAT HEAD M8 bolt with serrated nut
9. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
10. Sealing tape for Nida acoustic insulation
11. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR50 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encase-ment	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thick-ness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
75AA/UAR50/Expert	Expert	2x12,5	A	2xUAR50	600	optional	-	-	5310	-	-	-	23,0	-	-
75AA/UAR50/Woda [3]	Woda	2x12,5	H2	2xUAR50	600	optional	-	-	5310	-	-	-	23,0	-	-
75AA/UAR50/OgieńTypF	Ogień Typ F	2x12,5	F	2xUAR50	600	optional	-	-	5310	-	-	-	25,0	(R)EI30	-
75AA/UAR50/Ogień+	Ogień Plus	2x12,5	DF	2xUAR50	600	optional	-	-	5310	-	-	-	27,0	(R)EI30	-
75AA/UAR50/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	2xUAR50	600	optional	-	-	5310	-	-	-	27,0	(R)EI30	-
75AA/UAR50/Cicha	Cicha	2x12,5	DFH1IR	2xUAR50	600	optional	-	-	5310	-	-	-	33,0	(R)EI30	●
75AA/UAR50/Twarda	Twarda	2x12,5	DEFH1IR	2xUAR50	600	optional	-	-	5310	-	-	-	33,0	(R)EI30	●
75AA/UAR50/Hydro	Hydro	2x12,5	GMFH1I	2xUAR50	600	optional	-	-	5310	-	-	-	29,0	(R)EI30	●
77,5AA/UAR50/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	2xUAR50	600	optional	-	-	5310	-	-	-	31,0	(R)EI60	-
80AA/UAR50/Ogień+	Ogień Plus	2x15,0	DF	2xUAR50	600	optional	-	-	5310	-	-	-	34,0	(R)EI60	-
80AA/UAR50/Twarda	Twarda	2x15,0	DEFH1IR	2xUAR50	600	optional	-	-	5310	-	-	-	38,0	(R)EI60	●
80AA/UAR50/Hydro	Hydro	2x15,0	GMFH1I	2xUAR50	600	optional	-	-	5310	-	-	-	34,0	(R)EI60	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht											
		75AA/UAR50/ Expert	75AA/UAR50/ Woda	75AA/UAR50/ OgieńTypF	75AA/UAR50/ Ogień+	75AA/UAR50/ WodaOgień+	75AA/UAR50/ Cicha	75AA/UAR50/ Twarda	75AA/UAR50/ Hydro	77,5AA/ UAR50/ Ogień+	80AA/ UAR50/ Ogień+	80AA/ UAR50/ Twarda	80AA/ UAR50/Hydro
		Consumption of material per 1m²											
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	2,0	-	-	-	-	-	-	-	-	-	-
Nida Ogień Typ F 12.5 mm plasterboard	m²	-	-	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	-	2,0	-	-	-	-	1,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	2,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	2,0
NIDA UAR50 frame 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
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
Nida angle profile for UA50 profile	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
FLAT HEAD M8 bolt with serrated nut	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
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
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	4,0	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	-	-	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	-	12,0	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	16,0	16,0	-	-	-	16,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [6]	kg	-	-	-	-	-	-	0,7	0,7	-	-	0,7	0,7
Mineral wool [7]	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

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

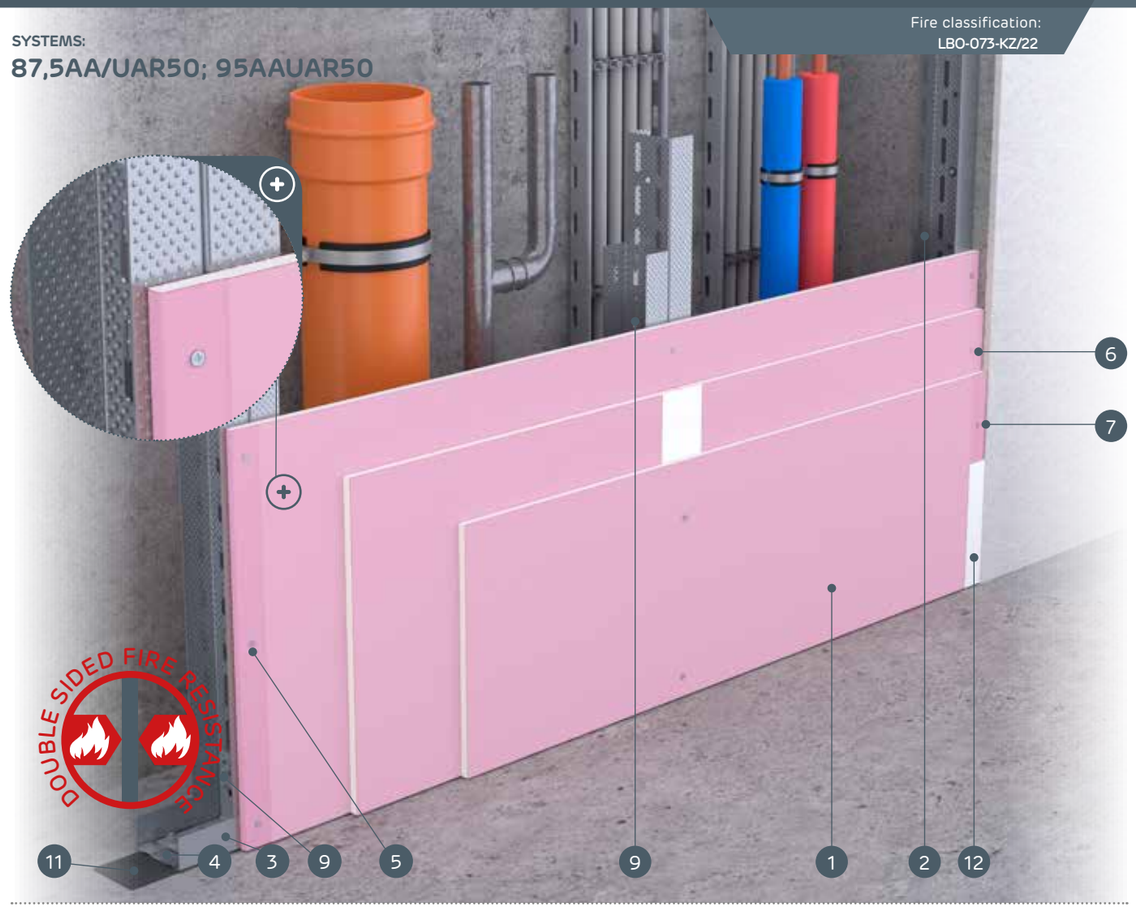
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60 (R)EI120	N/A	5310 mm	38,0-48,0 kg	Fire Classification

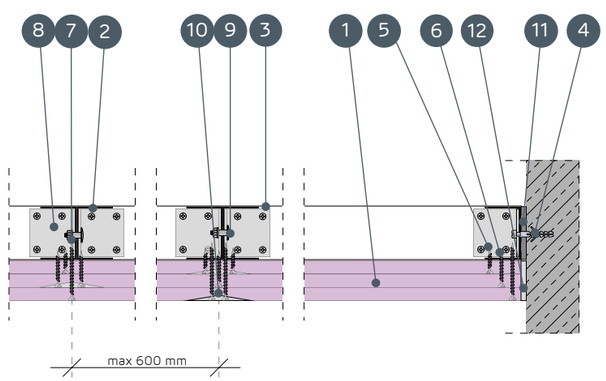
SYSTEMS:
87,5AA/UAR50; 95AAUAR50

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR50 profile
3. Nida U50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Nida 3.5 x 55 mm screws for 2 mm thick sheet metal
8. Profile angle for UA50 profiles
9. FLAT HEAD M8 bolt with serrated nut
10. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
11. Sealing tape for Nida acoustic insulation
12. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR50 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
87,5AA/UAR50/Ogień+	Ogień Plus	3x12,5	DF	2xUAR50	600	optional	-	-	5310	-	-	-	38,0	(R)EI60	-
87,5AA/UAR50/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	2xUAR50	600	optional	-	-	5310	-	-	-	38,0	(R)EI60	-
87,5AA/UAR50/Cicha	Cicha	3x12,5	DFH1IR	2xUAR50	600	optional	-	-	5310	-	-	-	46,0	(R)EI60	●
87,5AA/UAR50/Twarda	Twarda	3x12,5	DEFH1IR	2xUAR50	600	optional	-	-	5310	-	-	-	46,0	(R)EI60	●
87,5AA/UAR50/Hydro	Hydro	3x12,5	GMFH1I	2xUAR50	600	optional	-	-	5310	-	-	-	40,0	(R)EI60	●
95AA/UAR50/Ogień+ [3]	Ogień Plus	3x15,0	DF	2xUAR50	600	optional	-	-	5310	-	-	-	48,0	(R)EI120	-
95AA/UAR50/WodaOgień+ [3]	Woda Ogień Plus	3x15,0	DFH2	2xUAR50	600	optional	-	-	5310	-	-	-	48,0	(R)EI120	-

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht						
		87,5AA/UAR50/Ogień+	87,5AA/UAR50/WodaOgień+	87,5AA/UAR50/Cicha	87,5AA/UAR50/Twarda	87,5AA/UAR50/Hydro	95AA/UAR50/Ogień+	95AA/UAR50/WodaOgień+
		Consumption of material per 1m²						
Nida Ogień Plus 12.5 mm plasterboard	m²	3,0	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	3,0	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	3,0	-
Nida Woda Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	3,0
NIDA UAR50 frame profile	lm	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
Nida angle profile for UA50 profile	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0
FLAT HEAD M8 bolt with serrated nut	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	4,0	4,0
Nida 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	-	-	-	-	-
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	12,0	12,0
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	8,0	8,0	-	-	-
Nida Twarda 4.2x65 mm screws for 2 mm thick sheet metal	pcs.	-	-	12,0	12,0	-	-	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	-	-
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,1	0,1	0,1	-	-	0,1	0,1
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	1,0	1,0	-	-
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.
The standards concerning the amount of utilised material do not cover the loss of the material.

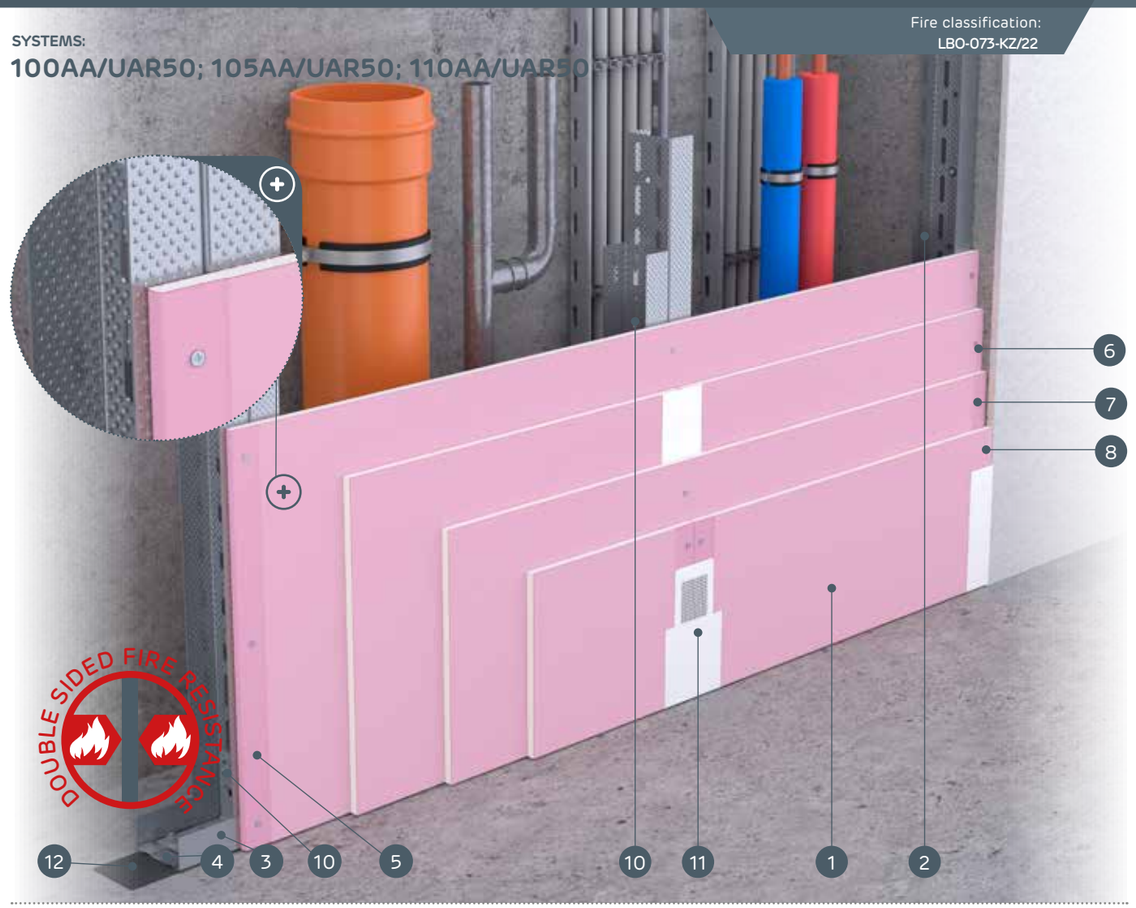
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI90 (R)EI120	N/A	5310 mm	48,0-69,0 kg	Fire Classification

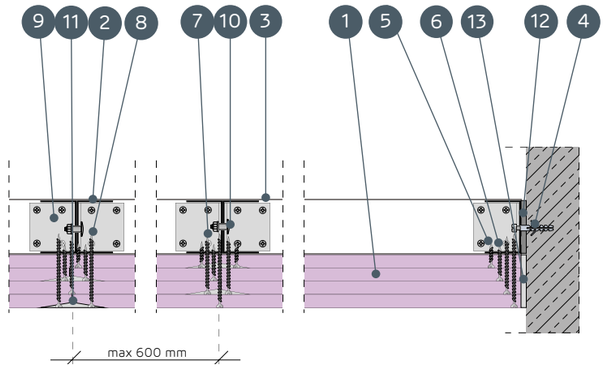
SYSTEMS:
100AA/UAR50; 105AA/UAR50; 110AA/UAR50

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR50 profile
3. Nida U50 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Nida 3.5 x 55 mm screws for 2 mm thick sheet metal
8. Nida 4.2 x 70 mm screws for 2 mm thick sheet metal
9. Profile angle for UA50 profiles
10. FLAT HEAD M8 bolt with serrated nut
11. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
12. Sealing tape for Nida acoustic insulation
13. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR50 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
100AA/UAR50/Ogień+	Ogień Plus	4x12,5	DF	2xUAR50	600	optional	-	-	5310	-	-	-	48,0	(R)EI90	-
100AA/UAR50/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	2xUAR50	600	optional	-	-	5310	-	-	-	48,0	(R)EI90	-
100AA/UAR50/Cicha	Cicha	4x12,5	DFH1IR	2xUAR50	600	optional	-	-	5310	-	-	-	59,0	(R)EI90	●
100AA/UAR50/Twarda	Twarda	4x12,5	DEFH1IR	2xUAR50	600	optional	-	-	5310	-	-	-	59,0	(R)EI90	●
100AA/UAR50/Hydro	Hydro	4x12,5	GMFH1I	2xUAR50	600	optional	-	-	5310	-	-	-	51,0	(R)EI90	●
105AA/UAR50/Ogień+	Ogień Plus	2x12,5+2x15,0	DF	2xUAR50	600	optional	-	-	5310	-	-	-	55,0	(R)EI120	-
110AA/UAR50/Ogień+	Ogień Plus	4x15,0	DF	2xUAR50	600	optional	-	-	5310	-	-	-	62,0	(R)EI120	-
110AA/UAR50/Twarda	Twarda	4x15,0	DEFH1IR	2xUAR50	600	optional	-	-	5310	-	-	-	69,0	(R)EI120	●
110AA/UAR50/Hydro	Hydro	4x15,0	GMFH1I	2xUAR50	600	optional	-	-	5310	-	-	-	62,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht								
		100AA/UAR50/Ogień+	100AA/UAR50/WodaOgień+	100AA/UAR50/Cicha	100AA/UAR50/Twarda	100AA/UAR50/Hydro	105AA/UAR50/Ogień+	110AA/UAR50/Ogień+	110AA/UAR50/Twarda	110AA/UAR50/Hydro
		Consumption of material per 1m²								
Nida Ogień Plus 12.5 mm plasterboard	m²	4,0	-	-	-	-	2,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	4,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	4,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0
NIDA UAR50 frame profile	lm	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
Nida angle profile for UA50 profile	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
FLAT HEAD M8 bolt with serrated nut	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0
Anchoring element [3]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	4,0	4,0	-	-
Nida 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0				12,0	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	8,0	8,0	-	-	-	8,0	-
Nida Twarda 4.2x65 mm screws for 2 mm thick sheet metal	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
Nida Twarda 4.2x75 mm screws for 2 mm thick sheet metal	pcs.	-	-	12,0	12,0	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [4]	kg	-	-	-	1,3	1,3	-	-	1,3	1,3
Mineral wool [5]	m²	1,0	1,0	1,0	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.
The standards concerning the amount of utilised material do not cover the loss of the material.

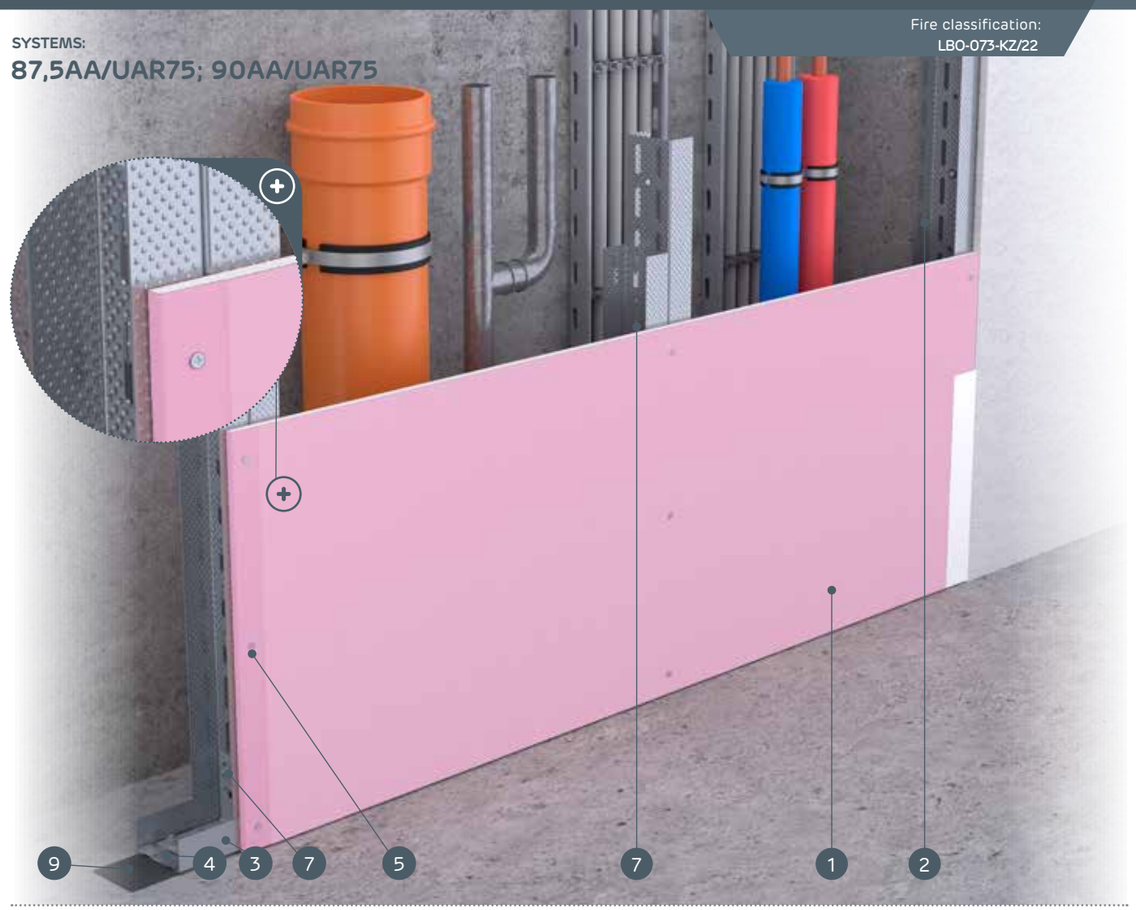
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
N/A	N/A	6590 mm	17,0-24,0 kg	Fire Classification

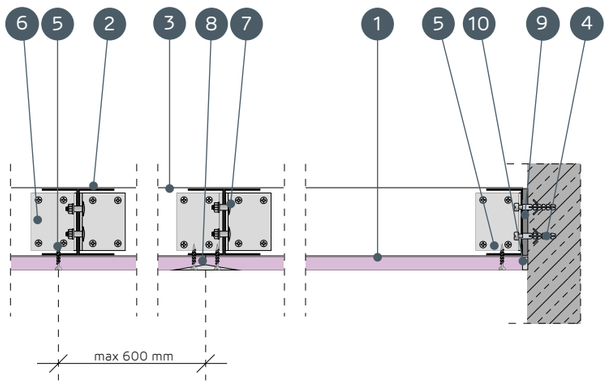
SYSTEMS:
87,5AA/UAR75; 90AA/UAR75

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR75 profile
3. Nida U75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Profile angle for UA 75 profiles
7. FLAT HEAD M8 bolt with serrated nut
8. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encase-ment	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thick-ness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
87,5AA/UAR75/Expert	Expert	12,5	A	2xUAR75	600	optional	-	-	6590	-	-	-	17,0	-	-
87,5AA/UAR75/Woda [3]	Woda	12,5	H2	2xUAR75	600	optional	-	-	6590	-	-	-	17,0	-	-
87,5AA/UAR75/Ogień+	Ogień Plus	12,5	DF	2xUAR75	600	optional	-	-	6590	-	-	-	19,0	-	-
87,5AA/UAR75/WodaOgień+	Woda Ogień Plus	12,5	DFH2	2xUAR75	600	optional	-	-	6590	-	-	-	19,0	-	-
87,5AA/UAR75/Cicha	Cicha	12,5	DFH1IR	2xUAR75	600	optional	-	-	6590	-	-	-	21,0	-	●
87,5AA/UAR75/Twarda	Twarda	12,5	DEFH1IR	2xUAR75	600	optional	-	-	6590	-	-	-	21,0	-	●
87,5AA/UAR75/Hydro	Hydro	12,5	GMFH1I	2xUAR75	600	optional	-	-	6590	-	-	-	19,0	-	●
90AA/UAR75/Ogień+	Ogień Plus	15,0	DF	2xUAR75	600	optional	-	-	6590	-	-	-	22,0	-	-
90AA/UAR75/Twarda	Twarda	15,0	DEFH1IR	2xUAR75	600	optional	-	-	6590	-	-	-	24,0	-	●
90AA/UAR75/Hydro	Hydro	15,0	GMFH1I	2xUAR75	600	optional	-	-	6590	-	-	-	22,0	-	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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.)

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht									
		87,5AA/ UAR75/ Expert	87,5AA/ UAR75/ Woda	87,5AA/ UAR75/ Ogień+	87,5AA/ UAR75/ WodaOgień+	87,5AA/ UAR75/ Cicha	87,5AA/ UAR75/ Twarda	87,5AA/ UAR75/ Hydro	90AA/ UAR75/ Ogień+	90AA/ UAR75/ Twarda	90AA/ UAR75/ Hydro
		Consumption of material per 1m²									
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	1,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	1,0	-	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	1,0	-	-	-	-	-	-
Nida Cicha 12.5 mm plasterboard	m²	-	-	-	-	1,0	-	-	-	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	-	-	-	1,0	-	-	-	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	-	-	-	1,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	1,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	1,0
NIDA UAR75 frame profile	lm	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
Nida angle profile for UA75 profile	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
FLAT HEAD M8 bolt with serrated nut	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	12,0	12,0	-	-	-	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	12,0	-	-	12,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	12,0	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	0,3	0,3	0,3	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	-	-	0,4	0,4	-	0,4	0,4
Mineral wool [6]	m²	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] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements.
The standards concerning the amount of utilised material do not cover the loss of the material.

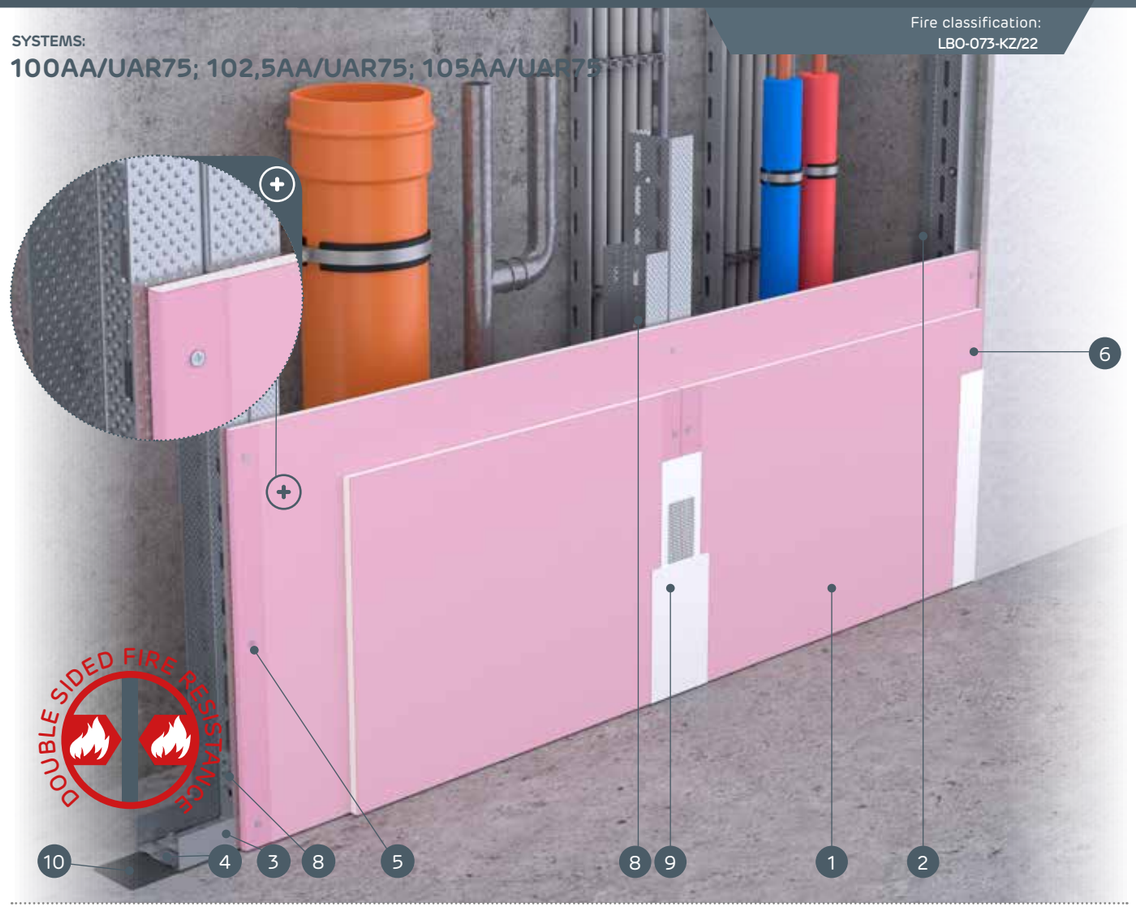
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI30 (R)EI60	N/A	6760 mm	25,0-40,0 kg	Fire Classification

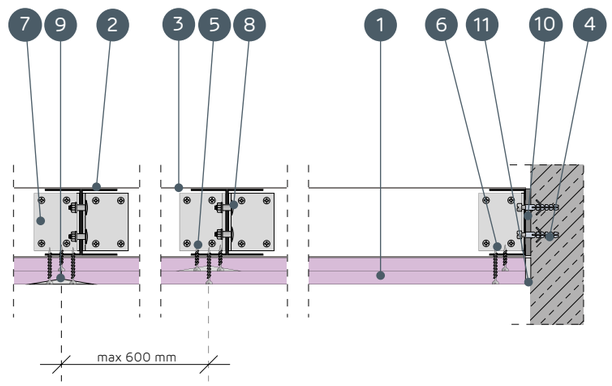
SYSTEMS:
100AA/UAR75; 102,5AA/UAR75; 105AA/UAR75

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR75 profile
3. Nida U75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Profile angle for UA 75 profiles
8. FLAT HEAD M8 bolt with serrated nut
9. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
10. Sealing tape for Nida acoustic insulation
11. Finishing with Nida gypsum mass



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THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
100AA/UAR75/Expert	Expert	2x12,5	A	2xUAR75	600	optional	-	-	6760	-	-	-	25,0	-	-
100AA/UAR75/Woda [3]	Woda	2x12,5	H2	2xUAR75	600	optional	-	-	6760	-	-	-	25,0	-	-
100AA/UAR75/OgieńTypF	Ogień Typ F	2x12,5	F	2xUAR75	600	optional	-	-	6500	-	-	-	26,0	(R)EI30	-
100AA/UAR75/Ogień+	Ogień Plus	2x12,5	DF	2xUAR75	600	optional	-	-	6500	-	-	-	29,0	(R)EI30	-
100AA/UAR75/ WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	2xUAR75	600	optional	-	-	6500	-	-	-	29,0	(R)EI30	-
100AA/UAR75/Cicha	Cicha	2x12,5	DFH1IR	2xUAR75	600	optional	-	-	6500	-	-	-	34,0	(R)EI30	●
100AA/UAR75/Twarda	Twarda	2x12,5	DEFH1IR	2xUAR75	600	optional	-	-	6500	-	-	-	34,0	(R)EI30	●
100AA/UAR75/Hydro	Hydro	2x12,5	GMFH1I	2xUAR75	600	optional	-	-	6500	-	-	-	31,0	(R)EI30	●
102,5AA/UAR75/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	2xUAR75	600	optional	-	-	6500	-	-	-	33,0	(R)EI60	-
105AA/UAR75/Ogień+	Ogień Plus	2x15,0	DF	2xUAR75	600	optional	-	-	6500	-	-	-	36,0	(R)EI60	-
105AA/UAR75/Twarda	Twarda	2x15,0	DEFH1IR	2xUAR75	600	optional	-	-	6500	-	-	-	40,0	(R)EI60	●
105AA/UAR75/Hydro	Hydro	2x15,0	GMFH1I	2xUAR75	600	optional	-	-	6500	-	-	-	36,0	(R)EI60	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht											
		100AA/UAR75/Expert	100AA/UAR75/Woda	100AA/UAR75/OgieńTypF	100AA/UAR75/Ogień+	100AA/UAR75/WodaOgień+	100AA/UAR75/Cicha	100AA/UAR75/Twarda	100AA/UAR75/Hydro	102,5AA/UAR75/Ogień+	105AA/UAR75/Ogień+	105AA/UAR75/Twarda	105AA/UAR75/Hydro
		Consumption of material per 1m²											
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	2,0	-	-	-	-	-	-	-	-	-	-
Nida Ogień Typ F 12.5 mm plasterboard	m²	-	-	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	-	2,0	-	-	-	-	1,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	2,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	2,0
NIDA UAR75 frame 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
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
Nida angle profile for UA75 profile	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
FLAT HEAD M8 bolt with serrated nut	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
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
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	4,0	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	-	-	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	-	12,0	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	16,0	16,0	-	-	-	16,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [6]	kg	-	-	-	-	-	-	0,7	0,7	-	-	0,7	0,7
Mineral wool [7]	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

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

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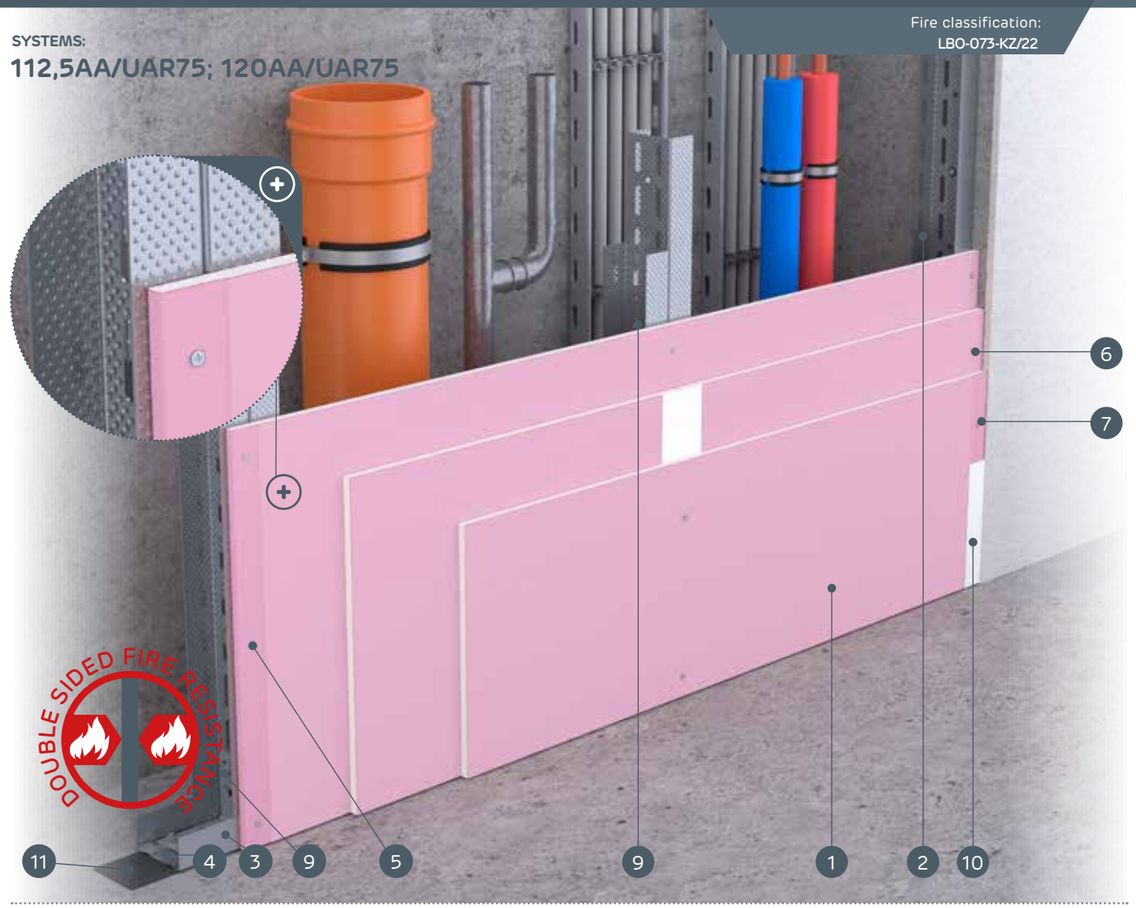
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60 (R)EI120	N/A	6500 mm	39,0-49,0 kg	Fire Classification

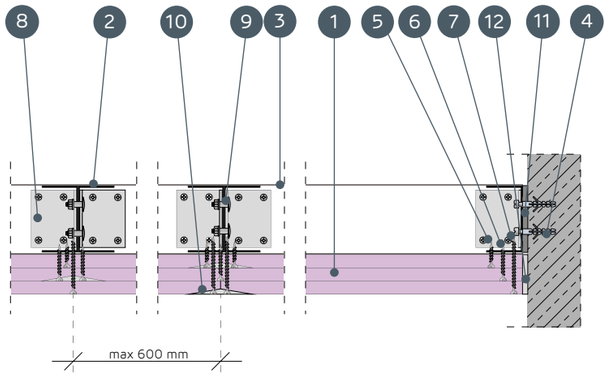
SYSTEMS:
112,5AA/UAR75; 120AA/UAR75

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR75 profile
3. Nida U75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Nida 3.5 x 55 mm screws for 2 mm thick sheet metal
8. Profile angle for UA75 profiles
9. FLAT HEAD M8 bolt with serrated nut
10. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
11. Sealing tape for Nida acoustic insulation
12. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
112,5AA/UAR75/Ogień+	Ogień Plus	3x12,5	DF	2xUAR75	600	optional	-	-	6500	-	-	-	39,0	(R)EI60	-
112,5AA/UAR75/ WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	2xUAR75	600	optional	-	-	6500	-	-	-	39,0	(R)EI60	-
112,5AA/UAR75/Cicha	Cicha	3x12,5	DFH1IR	2xUAR75	600	optional	-	-	6500	-	-	-	47,0	(R)EI60	●
112,5AA/UAR75/Twarda	Twarda	3x12,5	DEFH1IR	2xUAR75	600	optional	-	-	6500	-	-	-	47,0	(R)EI60	●
112,5AA/UAR75/Hydro	Hydro	3x12,5	GMFH1I	2xUAR75	600	optional	-	-	6500	-	-	-	41,0	(R)EI60	●
120AA/UAR75/Ogień+ [3]	Ogień Plus	3x15,0	DF	2xUAR75	600	optional	-	-	6500	-	-	-	49,0	(R)EI120	-
120AA/UAR75/ WodaOgień+ [3]	Woda Ogień Plus	3x15,0	DFH2	2xUAR75	600	optional	-	-	6500	-	-	-	49,0	(R)EI120	-

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht						
		112,5AA/ UAR75/ Ogień+	112,5AA/ UAR75/ WodaOgień+	112,5AA/ UAR75/Cicha	112,5AA/ UAR75/ Twarda	112,5AA/ UAR75/Hydro	120AA/ UAR75/ Ogień+	120AA/ UAR75/ WodaOgień+
		Consumption of material per 1m²						
Nida Ogień Plus 12.5 mm plasterboard	m²	3,0	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	3,0	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	3,0	-
Nida Woda Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	3,0
NIDA UAR75 frame profile	lm	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
Nida angle profile for UA75 profile	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0
FLAT HEAD M8 bolt with serrated nut	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	4,0	4,0
Nida 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	-	-	-	-	-
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	12,0	12,0
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	8,0	8,0	-	-	-
Nida Twarda 4.2x65 mm screws for 2 mm thick sheet metal	pcs.	-	-	12,0	12,0	-	-	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	-	-			12,0	-	-
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,1	0,1	0,1	-	-	0,1	0,1
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	1,0	1,0	-	-
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.
The standards concerning the amount of utilised material do not cover the loss of the material.

ENCASEMENTS FOR VERTICAL SHAFTS

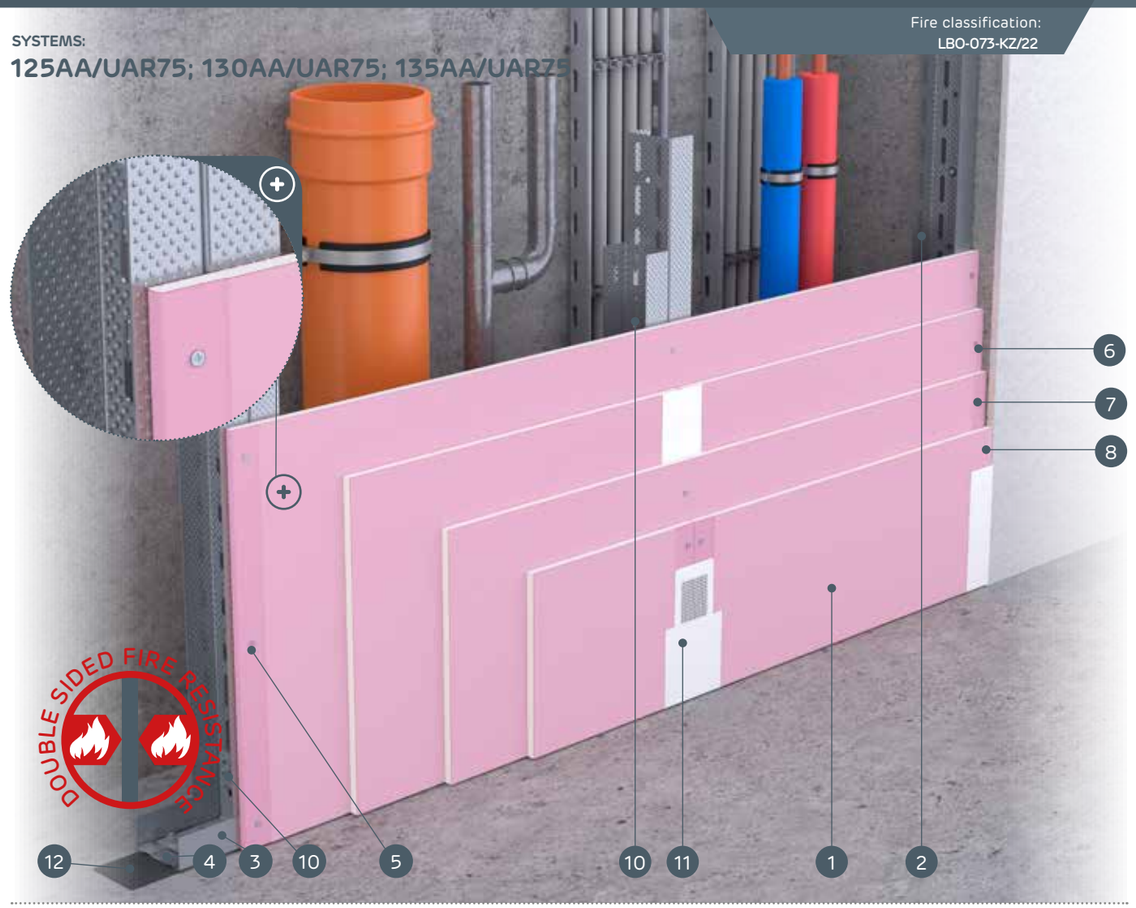
nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI90 (R)EI120	N/A	6500 mm	49,0-71,0 kg	Fire Classification

SYSTEMS:

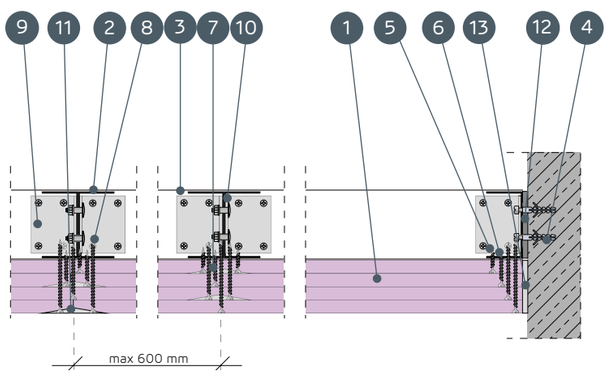
125AA/UAR75; 130AA/UAR75; 135AA/UAR75

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR75 profile
3. Nida U75 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Nida 3.5 x 55 mm screws for 2 mm thick sheet metal
8. Nida 4.2 x 70 mm screws for 2 mm thick sheet metal
9. Profile angle for UA75 profiles
10. FLAT HEAD M8 bolt with serrated nut
11. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
12. Sealing tape for Nida acoustic insulation
13. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR75 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
125AA/UAR75/Ogień+	Ogień Plus	4x12,5	DF	2xUAR75	600	optional	-	-	6500	-	-	-	49,0	(R)EI90	-
125AA/UAR75/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	2xUAR75	600	optional	-	-	6500	-	-	-	49,0	(R)EI90	-
125AA/UAR75/Cicha	Cicha	4x12,5	DFH1IR	2xUAR75	600	optional	-	-	6500	-	-	-	60,0	(R)EI90	●
125AA/UAR75/Twarda	Twarda	4x12,5	DEFH1IR	2xUAR75	600	optional	-	-	6500	-	-	-	60,0	(R)EI90	●
125AA/UAR75/Hydro	Hydro	4x12,5	GMFH1I	2xUAR75	600	optional	-	-	6500	-	-	-	52,0	(R)EI90	●
130AA/UAR75/Ogień+	Ogień Plus	2x12,5+2x15,0	DF	2xUAR75	600	optional	-	-	6500	-	-	-	56,0	(R)EI120	-
135AA/UAR75/Ogień+	Ogień Plus	4x15,0	DF	2xUAR75	600	optional	-	-	6500	-	-	-	63,0	(R)EI120	-
135AA/UAR75/Twarda	Twarda	4x15,0	DEFH1IR	2xUAR75	600	optional	-	-	6500	-	-	-	71,0	(R)EI120	●
135AA/UAR75/Hydro	Hydro	4x15,0	GMFH1I	2xUAR75	600	optional	-	-	6500	-	-	-	63,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht								
		125AA/ UAR75/ Ogień+	125AA/ UAR75/ WodaOgień+	125AA/ UAR75/ Cicha	125AA/ UAR75/ Twarda	125AA/ UAR75/ Hydro	130AA/ UAR75/ Ogień+	135AA/ UAR75/ Ogień+	135AA/ UAR75/ Twarda	135AA/ UAR75/ Hydro
		Consumption of material per 1m²								
Nida Ogień Plus 12.5 mm plasterboard	m²	4,0	-	-	-	-	2,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	4,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	4,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0
NIDA UAR75 frame profile	lm	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
Nida angle profile for UA75 profile	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
FLAT HEAD M8 bolt with serrated nut	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0
Anchoring element [3]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	4,0	4,0	-	-
Nida 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0				12,0	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	8,0	8,0	-	-	-	8,0	-
Nida Twarda 4.2x65 mm screws for 2 mm thick sheet metal	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
Nida Twarda 4.2x75 mm screws for 2 mm thick sheet metal	pcs.	-	-	12,0	12,0	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [4]	kg	-	-	-	1,3	1,3	-	-	1,3	1,3
Mineral wool [5]	m²	1,0	1,0	1,0	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.
The standards concerning the amount of utilised material do not cover the loss of the material.

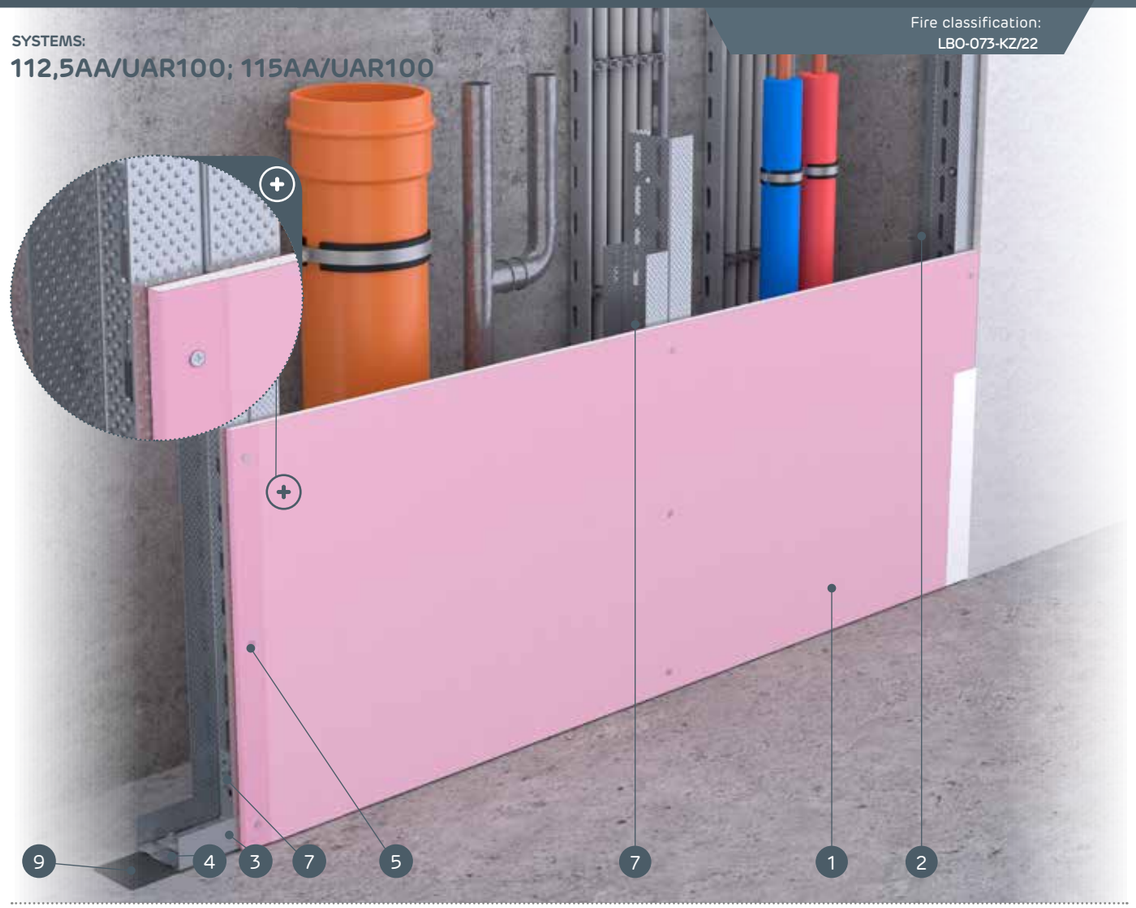
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
N/A	N/A	8310 mm	18,0-25,0 kg	Fire Classification

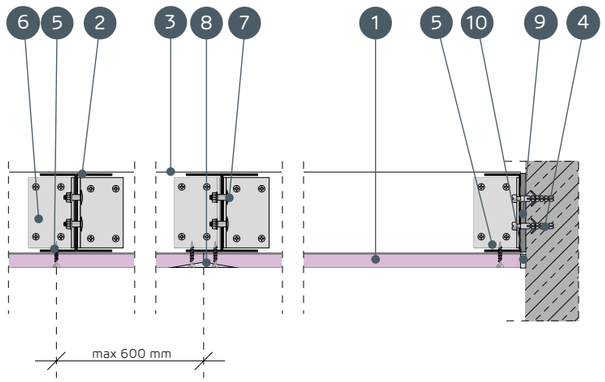
SYSTEMS:
112,5AA/UAR100; 115AA/UAR100

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR100 profile
3. Nida U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Profile angle for UA100 profiles
7. FLAT HEAD M8 bolt with serrated nut
8. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encase-ment	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thick-ness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thick-ness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
112,5AA/UAR100/Expert	Expert	12,5	A	2xUAR100	600	optional	-	-	8310	-	-	-	18,0	-	-
112,5AA/UAR100/Woda [3]	Woda	12,5	H2	2xUAR100	600	optional	-	-	8310	-	-	-	18,0	-	-
112,5AA/UAR100/Ogień+	Ogień Plus	12,5	DF	2xUAR100	600	optional	-	-	8310	-	-	-	20,0	-	-
112,5AA/UAR100/WodaOgień+	Woda Ogień Plus	12,5	DFH2	2xUAR100	600	optional	-	-	8310	-	-	-	20,0	-	-
112,5AA/UAR100/Cicha	Cicha	12,5	DFH1IR	2xUAR100	600	optional	-	-	8310	-	-	-	23,0	-	●
112,5AA/UAR100/Twarda	Twarda	12,5	DEFH1IR	2xUAR100	600	optional	-	-	8310	-	-	-	23,0	-	●
112,5AA/UAR100/Hydro	Hydro	12,5	GMFH1I	2xUAR100	600	optional	-	-	8310	-	-	-	21,0	-	●
115AA/UAR100/Ogień+	Ogień Plus	15,0	DF	2xUAR100	600	optional	-	-	8310	-	-	-	23,0	-	-
115AA/UAR100/Twarda	Twarda	15,0	DEFH1IR	2xUAR100	600	optional	-	-	8310	-	-	-	25,0	-	●
115AA/UAR100/Hydro	Hydro	15,0	GMFH1I	2xUAR100	600	optional	-	-	8310	-	-	-	23,0	-	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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.)

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht									
		112,5AA/UAR100/Expert	112,5AA/UAR100/Woda	112,5AA/UAR100/Ogień+	112,5AA/UAR100/WodaOgień+	112,5AA/UAR100/Cicha	112,5AA/UAR100/Twarda	112,5AA/UAR100/Hydro	115AA/UAR100/Ogień+	115AA/UAR100/Twarda	115AA/UAR100/Hydro
		Consumption of material per 1m²									
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	1,0	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	1,0	-	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	1,0	-	-	-	-	-	-
Nida Cicha 12.5 mm plasterboard	m²	-	-	-	-	1,0	-	-	-	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	-	-	-	1,0	-	-	-	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	-	-	-	1,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	1,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	1,0	-	-	1,0
NIDA UAR100 frame profile	lm	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
Nida angle profile for UA100 profile	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
FLAT HEAD M8 bolt with serrated nut	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	12,0	12,0	-	-	-	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	12,0	-	-	12,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	12,0	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	0,3	0,3	0,3	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	-	-	0,4	0,4	-	0,4	0,4
Mineral wool [6]	m²	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] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements.
The standards concerning the amount of utilised material do not cover the loss of the material.

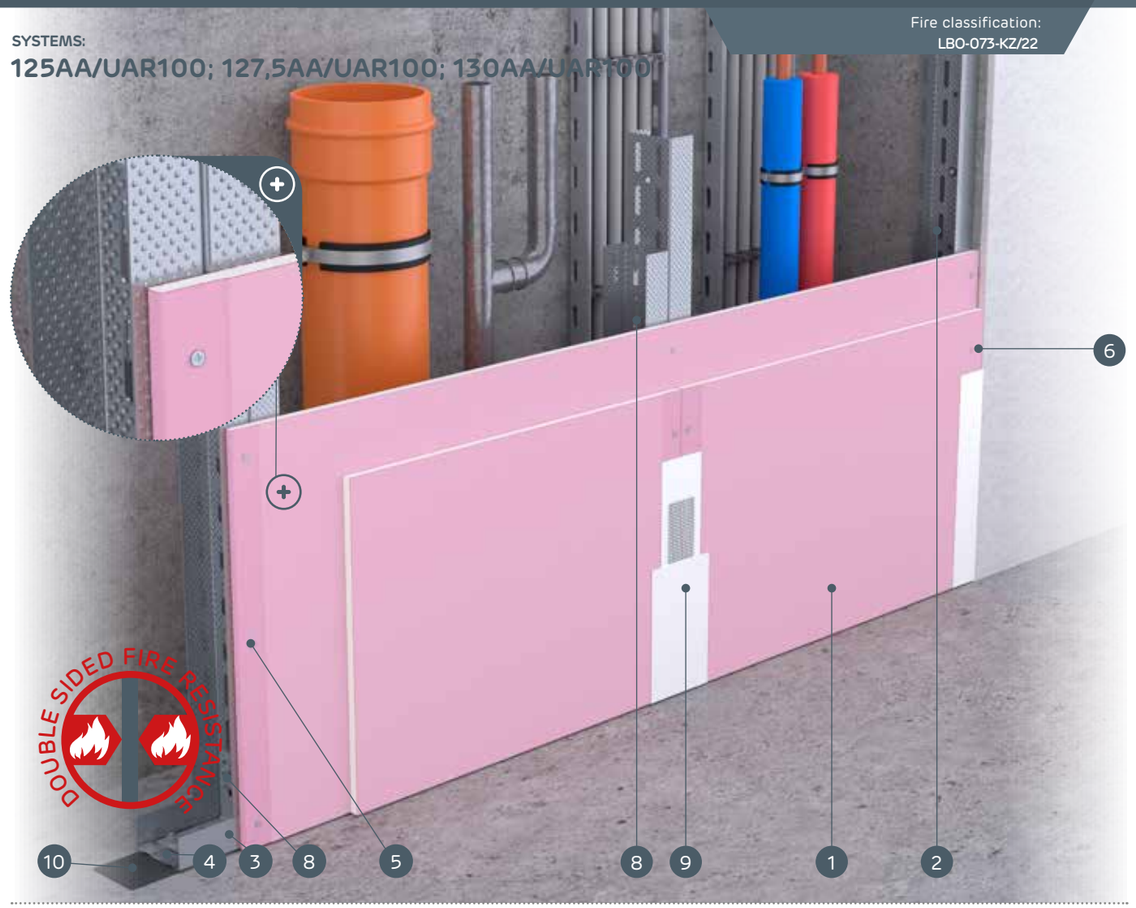
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI30 (R)EI60	N/A	8420 mm	26,0-41,0 kg	Fire Classification

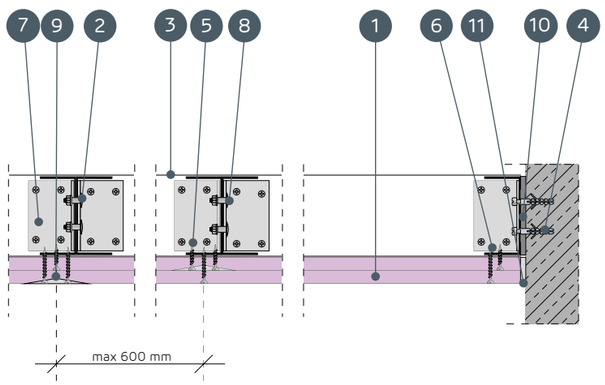
SYSTEMS:
125AA/UAR100; 127,5AA/UAR100; 130AA/UAR100

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR100 profile
3. Nida U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Profile angle for UA100 profiles
8. FLAT HEAD M8 bolt with serrated nut
9. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
10. Sealing tape for Nida acoustic insulation
11. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
125AA/UAR100/Expert	Expert	2x12,5	A	2xUAR100	600	optional	-	-	8420	-	-	-	26,0	-	-
125AA/UAR100/Woda [3]	Woda	2x12,5	H2	2xUAR100	600	optional	-	-	8420	-	-	-	26,0	-	-
125AA/UAR100/OgieńTypF	Ogień Typ F	2x12,5	F	2xUAR100	600	optional	-	-	6500	-	-	-	27,0	(R)EI30	-
125AA/UAR100/Ogień+	Ogień Plus	2x12,5	DF	2xUAR100	600	optional	-	-	6500	-	-	-	30,0	(R)EI30	-
125AA/UAR100/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	2xUAR100	600	optional	-	-	6500	-	-	-	30,0	(R)EI30	-
125AA/UAR100/Cicha	Cicha	2x12,5	DFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	36,0	(R)EI30	●
125AA/UAR100/Twarda	Twarda	2x12,5	DEFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	36,0	(R)EI30	●
125AA/UAR100/Hydro	Hydro	2x12,5	GMFH1I	2xUAR100	600	optional	-	-	6500	-	-	-	32,0	(R)EI30	●
127,5AA/UAR100/Ogień+ [4]	Ogień Plus	1x12,5+1x15,0	DF	2xUAR100	600	optional	-	-	6500	-	-	-	34,0	(R)EI60	-
130AA/UAR100/Ogień+	Ogień Plus	2x15,0	DF	2xUAR100	600	optional	-	-	6500	-	-	-	37,0	(R)EI60	-
130AA/UAR100/Twarda	Twarda	2x15,0	DEFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	41,0	(R)EI60	●
130AA/UAR100/Hydro	Hydro	2x15,0	GMFH1I	2xUAR100	600	optional	-	-	6500	-	-	-	37,0	(R)EI60	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[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] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht											
		125AA/UAR100/Expert	125AA/UAR100/Woda	125AA/UAR100/OgieńTypF	125AA/UAR100/Ogień+	125AA/UAR100/WodaOgień+	125AA/UAR100/Cicha	125AA/UAR100/Twarda	125AA/UAR100/Hydro	127,5AA/UAR100/Ogień+	130AA/UAR100/Ogień+	130AA/UAR100/Twarda	130AA/UAR100/Hydro
		Consumption of material per 1m²											
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	2,0	-	-	-	-	-	-	-	-	-	-
Nida Ogień Typ F 12.5 mm plasterboard	m²	-	-	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	-	2,0	-	-	-	-	1,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	2,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	2,0
NIDA UAR100 frame 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
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
Nida angle profile for UA100 profile	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
FLAT HEAD M8 bolt with serrated nut	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
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
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	4,0	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	-	-	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	-	12,0	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	16,0	16,0	-	-	-	16,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [6]	kg	-	-	-	-	-	-	0,7	0,7	-	-	0,7	0,7
Mineral wool [7]	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

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

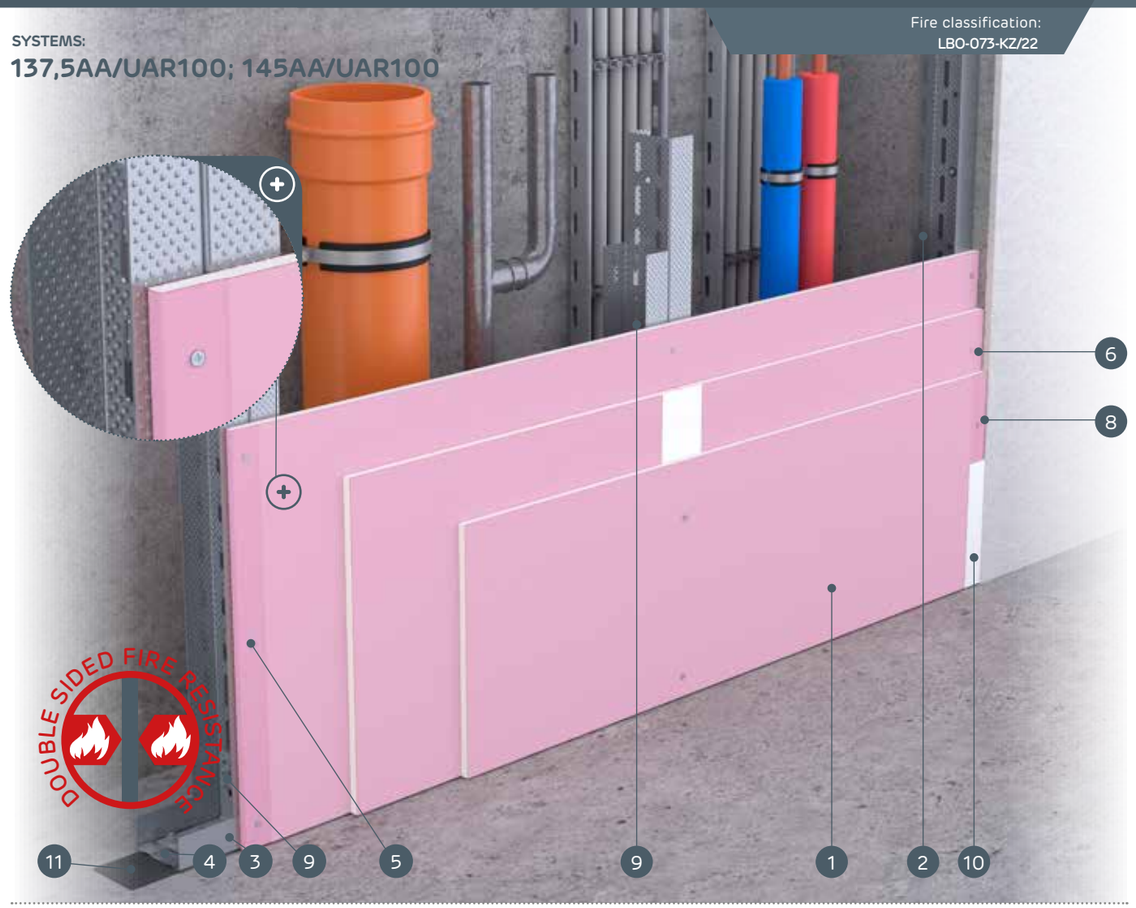
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60 (R)EI120	N/A	6500 mm	40,0-51,0 kg	Fire Classification

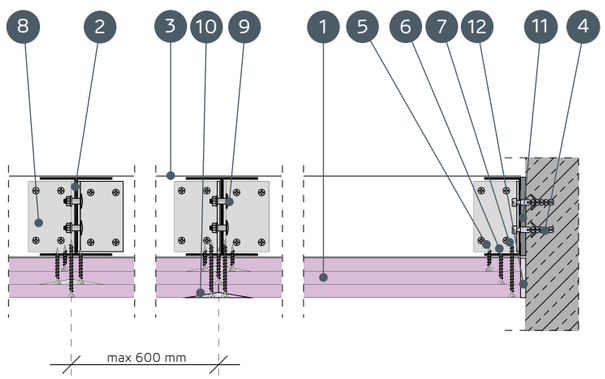
SYSTEMS:
137,5AA/UAR100; 145AA/UAR100

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR100 profile
3. Nida U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Nida 3.5 x 55 mm screws for 2 mm thick sheet metal
8. Profile angle for UA100 profiles
9. FLAT HEAD M8 bolt with serrated nut
10. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
11. Sealing tape for Nida acoustic insulation
12. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
137,5AA/UAR100/Ogień+	Ogień Plus	3x12,5	DF	2xUAR100	600	optional	-	-	6500	-	-	-	40,0	(R)EI60	-
137,5AA/UAR100/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	2xUAR100	600	optional	-	-	6500	-	-	-	40,0	(R)EI60	-
137,5AA/UAR100/Cicha	Cicha	3x12,5	DFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	49,0	(R)EI60	●
137,5AA/UAR100/Twarda	Twarda	3x12,5	DEFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	49,0	(R)EI60	●
137,5AA/UAR100/Hydro	Hydro	3x12,5	GMFH1I	2xUAR100	600	optional	-	-	6500	-	-	-	43,0	(R)EI60	●
145AA/UAR100/Ogień+ [3]	Ogień Plus	3x15,0	DF	2xUAR100	600	optional	-	-	6500	-	-	-	51,0	(R)EI120	-
145AA/UAR100/WodaOgień+ [3]	Woda Ogień Plus	3x15,0	DFH2	2xUAR100	600	optional	-	-	6500	-	-	-	51,0	(R)EI120	-

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.
[3] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht						
		137,5AA/UAR100/Ogień+	137,5AA/UAR100/WodaOgień+	137,5AA/UAR100/Cicha	137,5AA/UAR100/Twarda	137,5AA/UAR100/Hydro	145AA/UAR100/Ogień+	145AA/UAR100/WodaOgień+
		Consumption of material per 1m²						
Nida Ogień Plus 12.5 mm plasterboard	m²	3,0	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	3,0	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	3,0	-
Nida Woda Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	3,0
NIDA UAR100 frame profile	lm	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
Nida angle profile for UA100 profile	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0
FLAT HEAD M8 bolt with serrated nut	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0
Anchoring element [4]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	4,0	4,0
Nida 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0	-	-	-	-	-
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	12,0	12,0
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	8,0	8,0	-	-	-
Nida Twarda 4.2x65 mm screws for 2 mm thick sheet metal	pcs.	-	-	12,0	12,0	-	-	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	-	-			12,0	-	-
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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	0,1	0,1	0,1	-	-	0,1	0,1
Nida Hydromix ready-to-use joint filler [5]	kg	-	-	-	1,0	1,0	-	-
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.
The standards concerning the amount of utilised material do not cover the loss of the material.

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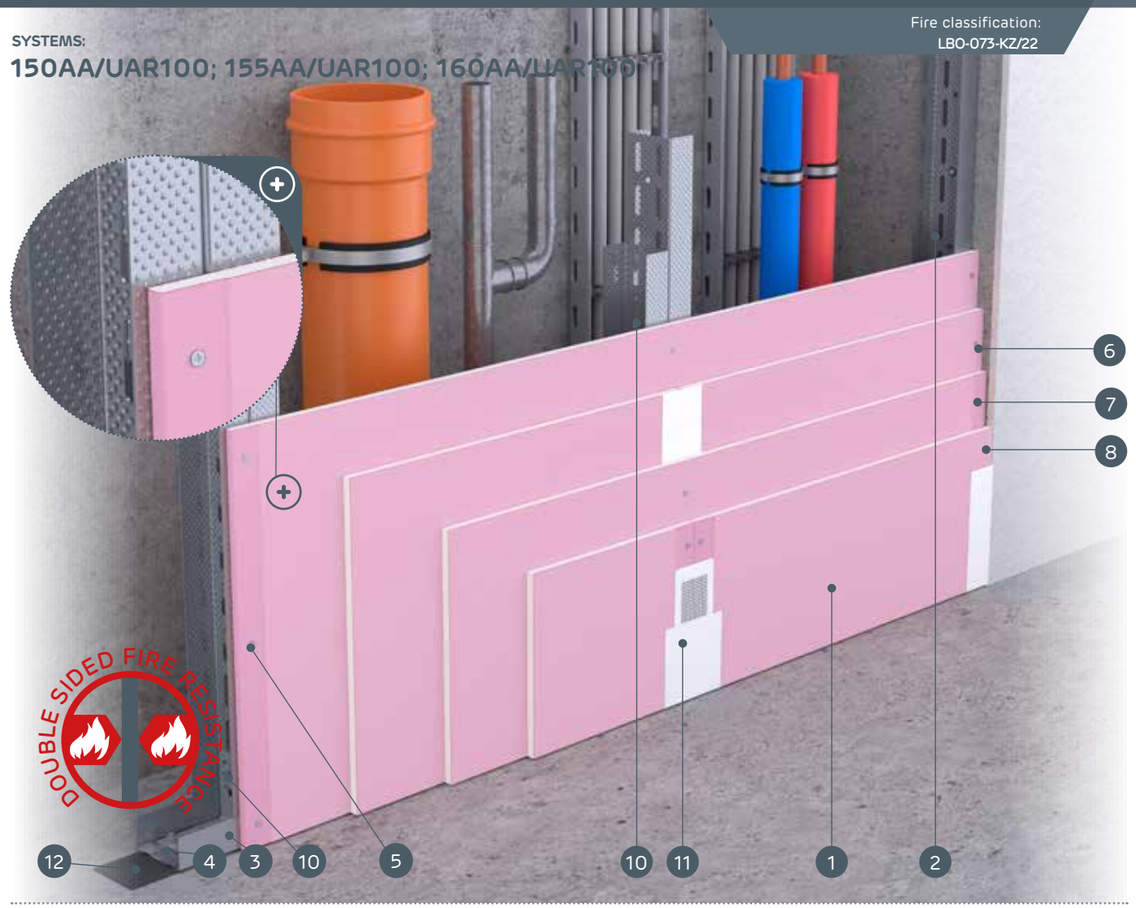
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI90 (R)EI120	N/A	6500 mm	50,0-72,0 kg	Fire Classification

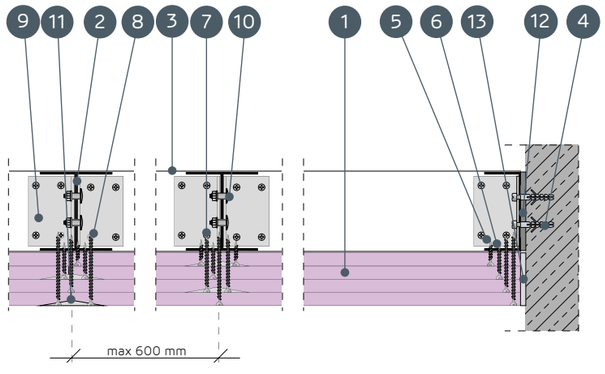
SYSTEMS:
150AA/UAR100; 155AA/UAR100; 160AA/UAR100

Fire classification:
LBO-073-KZ/22



MATERIALS:

1. Nida plasterboard
2. Nida UAR100 profile
3. Nida U100 profile
4. Anchoring element
5. Nida 3.5 x 25 mm screws for 2 mm thick sheet metal
6. Nida 3.5 x 35 mm screws for 2 mm thick sheet metal
7. Nida 3.5 x 55 mm screws for 2 mm thick sheet metal
8. Nida 4.2 x 70 mm screws for 2 mm thick sheet metal
9. Profile angle for UA100 profiles
10. FLAT HEAD M8 bolt with serrated nut
11. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
12. Sealing tape for Nida acoustic insulation
13. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS ON THE DOUBLE NIDA UAR100 LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height [1]	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class [2]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
150AA/UAR100/Ogień+	Ogień Plus	4x12,5	DF	2xUAR100	600	optional	-	-	6500	-	-	-	50,0	(R)EI90	-
150AA/UAR100/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	2xUAR100	600	optional	-	-	6500	-	-	-	50,0	(R)EI90	-
150AA/UAR100/Cicha	Cicha	4x12,5	DFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	61,0	(R)EI90	●
150AA/UAR100/Twarda	Twarda	4x12,5	DEFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	61,0	(R)EI90	●
150AA/UAR100/Hydro	Hydro	4x12,5	GMFH1I	2xUAR100	600	optional	-	-	6500	-	-	-	53,0	(R)EI90	●
155AA/UAR100/Ogień+	Ogień Plus	2x12,5+2x15,0	DF	2xUAR100	600	optional	-	-	6500	-	-	-	57,0	(R)EI120	-
160AA/UAR100/Ogień+	Ogień Plus	4x15,0	DF	2xUAR100	600	optional	-	-	6500	-	-	-	64,0	(R)EI120	-
160AA/UAR100/Twarda	Twarda	4x15,0	DEFH1IR	2xUAR100	600	optional	-	-	6500	-	-	-	72,0	(R)EI120	●
160AA/UAR100/Hydro	Hydro	4x15,0	GMFH1I	2xUAR100	600	optional	-	-	6500	-	-	-	64,0	(R)EI120	●

[1] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[2] Fire classification LBO-073-KZ/22.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht								
		150AA/UAR100/Ogień+	150AA/UAR100/WodaOgień+	150AA/UAR100/Cicha	150AA/UAR100/Twarda	150AA/UAR100/Hydro	155AA/UAR100/Ogień+	160AA/UAR100/Ogień+	160AA/UAR100/Twarda	160AA/UAR100/Hydro
		Consumption of material per 1m²								
Nida Ogień Plus 12.5 mm plasterboard	m²	4,0	-	-	-	-	2,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	4,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	4,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0
NIDA UAR100 frame profile	lm	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
Nida angle profile for UA100 profile	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
FLAT HEAD M8 bolt with serrated nut	pcs.	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0
Anchoring element [3]	pcs.	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Nida 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	-	-	-	-
Nida 3.5x45 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	-	4,0	4,0	-	-
Nida 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	12,0	12,0				12,0	12,0	-	-
Nida Twarda 3.5x50 mm screws for 2 mm thick sheet metal	pcs.	-	-	8,0	8,0	-	-	-	8,0	-
Nida Twarda 4.2x65 mm screws for 2 mm thick sheet metal	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
Nida Twarda 4.2x75 mm screws for 2 mm thick sheet metal	pcs.	-	-	12,0	12,0	-	-	-	12,0	-
Nida Hydro C5 3.5x25 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x55 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida 4.2x70 mm screws for 2 mm thick sheet metal	pcs.	-	-	-	-	12,0	-	-	-	12,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	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	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler [4]	kg	-	-	-	1,3	1,3	-	-	1,3	1,3
Mineral wool [5]	m²	1,0	1,0	1,0	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.
The standards concerning the amount of utilised material do not cover the loss of the material.

THE TABLES FOR SELECTING THE MAXIMUM HEIGHT FOR THE NIDA SZACHT 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 Szacht system name [1]	Number of Nida sheathing layers	Nida structure type		Linear load [3] 500 N/m Range 1 / 1000 N/m Range 2		ETAG 003	Fire resistance class
		Type of Nida profile	Axial spacing between Nida profiles	Maximum height [2]			
	[mm]		[mm]	[mm]			[min]
62,5A50	1x12,5	C50/U50	600	3200	1900	IV	-
75A50	2x12.5 and more	C50/U50	600	3360	2180	IV	-
62,5A50-400	1x12,5	C50/U50	400	3470	2420	IV	-
75A50-400	2x12.5 and more	C50/U50	400	3640	2740	IV	-
62,5A50-300	1x12,5	C50/U50	300	3750	2940	IV	-
75A50-300	2x12.5 and more	C50/U50	300	3910	3300	IV	-
62,5AA50	1x12,5	2xC50/U50	600	4000	3370	IV	-
75AA50	2x12.5 and more	2xC50/U50	600	4150	3500	IV	-
62,5AA50-400	1x12,5	2xC50/U50	400	4170	3500	IV	-
75AA50-400	2x12.5 and more	2xC50/U50	400	4520	381	IV	-
62,5AA50-300	1x12,5	2xC50/U50	300	4790	4040	IV	-
75AA50-300	2x12.5 and more	2xC50/U50	300	4880	4120	IV	-
87,5A75	1x12,5	C75/U75	600	3980	3360	IV	-
100A75	2x12.5 and more	C75/U75	600	4330	3650	IV	-
87,5A75-400	1x12,5	C75/U75	400	4350	3670	IV	-
100A75-400	2x12.5 and more	C75/U75	400	4730	3990	IV	-
87,5A75-300	1x12,5	C75/U75	300	4720	3980	IV	-
100A75-300	2x12.5 and more	C75/U75	300	5130	4330	IV	-
87,5AA75	1x12,5	2xC75/U75	600	5210	4400	IV	-
100AA75	2x12.5 and more	2xC75/U75	600	5400	4560	IV	-
87,5AA75-400	1x12,5	2xC75/U75	400	5720	4820	IV	-
100AA75-400	2x12.5 and more	2xC75/U75	400	5860	4950	IV	-
87,5AA75-300	1x12,5	2xC75/U75	300	6220	5250	IV	-
100AA75-300	2x12.5 and more	2xC75/U75	300	6330	5340	IV	-
112,5A100	1x12,5	C100/U100	600	4620	3900	IV	-
125A100	2x12.5 and more	C100/U100	600	5010	4230	IV	-
112,5A100-400	1x12,5	C100/U100	400	5150	4350	IV	-
125A100-400	2x12.5 and more	C100/U100	400	5490	4630	IV	-
112,5A100-300	1x12,5	C100/U100	300	5680	4790	IV	-
125A100-300	2x12.5 and more	C100/U100	300	5970	5030	IV	-
112,5AA100	1x12,5	2xC100/U100	600	6420	5410	IV	-
125AA100	2x12.5 and more	2xC100/U100	600	6900	5820	IV	-
112,5AA100-400	1x12,5	2xC100/U100	400	7010	5910	IV	-
125AA100-400	2x12.5 and more	2xC100/U100	400	7420	6260	IV	-
112,5AA100-300	1x12,5	2xC100/U100	300	7600	6410	IV	-
125AA100-300	2x12.5 and more	2xC100/U100	300	7930	6690	IV	-

[1] Application of all the Nida plasterboard types is acceptable.
[2] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[3] 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.
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.

THE TABLES FOR SELECTING THE MAXIMUM HEIGHT FOR THE NIDA SZACHT SYSTEM WITH THE APPLIED REDUCED SPACING AND/OR DOUBLING OF THE NIDA UAR50, UAR75, UAR100 LOAD-BEARING STRUCTURE WITHOUT FIRE RESISTANCE REQUIREMENTS

Technical parameters							
Nida Szacht system name [1]	Number of Nida sheathing layers	Nida structure type		Linear load [3] 500 N/m Range 1 / 1000 N/m Range 2		ETAG 003	Fire resistance class
		Type of Nida profile	Axial spacing between Nida profiles	Maximum height [2]			
	[mm]		[mm]	[mm]			[min]
62,5A/UAR50	1x12,5	UAR50/U50	600	3880	3240	IV	-
75A/UAR50	2x12.5 and more	UAR50/U50	600	4050	3420	IV	-
62,5A/UAR50-400	1x12,5	UAR50/U50	400	4170	3500	IV	-
75A/UAR50-400	2x12.5 and more	UAR50/U50	400	4340	3660	IV	-
62,5A/UAR50-300	1x12,5	UAR50/U50	300	4470	3770	IV	-
75A/UAR50-300	2x12.5 and more	UAR50/U50	300	4640	3910	IV	-
62,5AA/UAR50	1x12,5	2xUAR50/U50	600	5000	4220	IV	-
75AA/UAR50	2x12.5 and more	2xUAR50/U50	600	5310	4480	IV	-
62,5AA/UAR50-400	1x12,5	2xUAR50/U50	400	5390	4550	IV	-
75AA/UAR50-400	2x12.5 and more	2xUAR50/U50	400	5660	4770	IV	-
62,5AA/UAR50-300	1x12,5	2xUAR50/U50	300	5780	4870	IV	-
75AA/UAR50-300	2x12.5 and more	2xUAR50/U50	300	6010	5070	IV	-
87,5A/UAR75	1x12,5	UAR75/U75	600	5130	4330	IV	-
100A/UAR75	2x12.5 and more	UAR75/U75	600	5170	4360	IV	-
87,5A/UAR75-400	1x12,5	UAR75/U75	400	5620	4740	IV	-
100A/UAR75-400	2x12.5 and more	UAR75/U75	400	5700	4810	IV	-
87,5A/UAR75-300	1x12,5	UAR75/U75	300	6100	5140	IV	-
100A/UAR75-300	2x12.5 and more	UAR75/U75	300	6230	5250	IV	-
87,5AA/UAR75	1x12,5	2xUAR75/U75	600	6590	5560	IV	-
100AA/UAR75	2x12.5 and more	2xUAR75/U75	600	6760	5700	IV	-
87,5AA/UAR75-400	1x12,5	2xUAR75/U75	400	7210	6080	IV	-
100AA/UAR75-400	2x12.5 and more	2xUAR75/U75	400	7390	6230	IV	-
87,5AA/UAR75-300	1x12,5	2xUAR75/U75	300	7840	6610	IV	-
100AA/UAR75-300	2x12.5 and more	2xUAR75/U75	300	8020	6770	IV	-
112,5A/UAR100	1x12,5	UAR100/U100	600	6170	5210	IV	-
125A/UAR100	2x12.5 and more	UAR100/U100	600	6250	5270	IV	-
112,5A/UAR100-400	1x12,5	UAR100/U100	400	6840	5770	IV	-
125A/UAR100-400	2x12.5 and more	UAR100/U100	400	6930	5850	IV	-
112,5A/UAR100-300	1x12,5	UAR100/U100	300	7510	6330	IV	-
125A/UAR100-300	2x12.5 and more	UAR100/U100	300	7620	6420	IV	-
112,5AA/UAR100	1x12,5	2xUAR100/U100	600	8310	7010	IV	-
125AA/UAR100	2x12.5 and more	2xUAR100/U100	600	8420	7100	IV	-
112,5AA/UAR100-400	1x12,5	2xUAR100/U100	400	9140	7710	IV	-
125AA/UAR100-400	2x12.5 and more	2xUAR100/U100	400	9180	7740	IV	-
112,5AA/UAR100-300	1x12,5	2xUAR100/U100	300	9930	8380	IV	-
125AA/UAR100-300	2x12.5 and more	2xUAR100/U100	300	9970	8410	IV	-

[1] Application of all the Nida plasterboard types is acceptable.
[2] The maximum height acc. to the ITB 1060/12/R33NK technical opinion
[3] 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.
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.

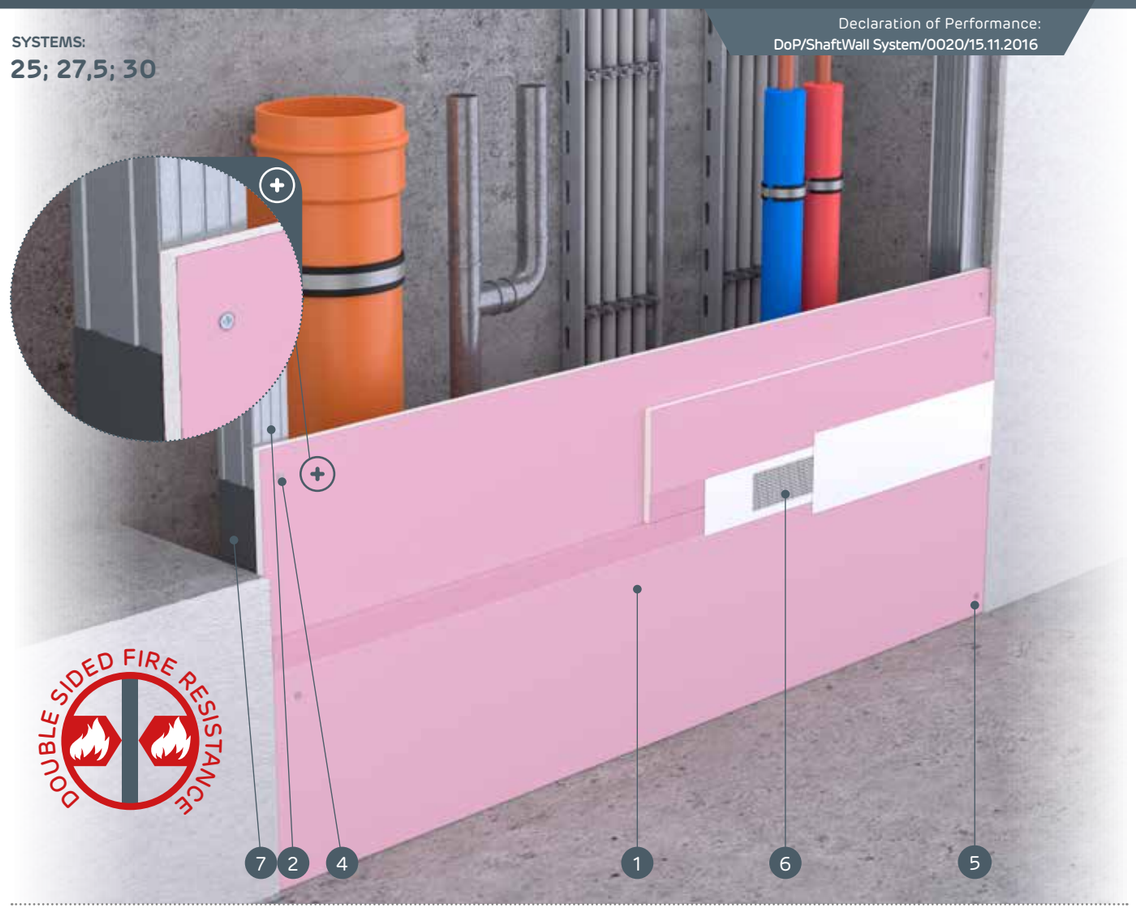
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI30 (R)EI60	42 dB	Without limits	18,0-32,0 kg	ETA 15/0301

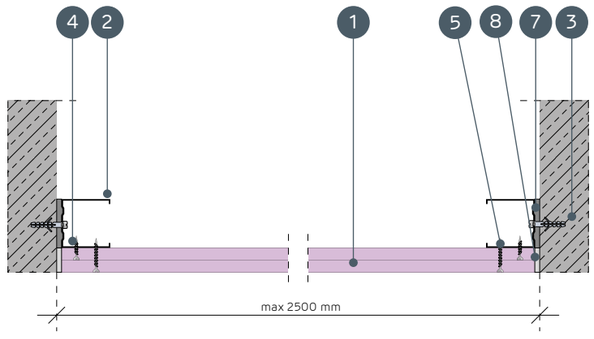
SYSTEMS:
25; 27,5; 30

Declaration of Performance:
DoP/ShaftWall System/0020/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida C50 / C75 / C100 profile
3. Anchoring element
4. Nida 3.5 x 25 mm sheet metal screws
5. Nida 3.5 x 35 mm sheet metal screws
6. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
7. Sealing tape for Nida acoustic insulation
8. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS WITHOUT A LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height	Acoustic insulation			Weight of 1m² of encasement	Fire resistance class[1]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
25/Expert	Expert	2x12,5	A	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	37	35	31	18,0	-	-
25/Woda[2]	Woda	2x12,5	H2	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	37	35	31	18,0	-	-
25/OgieńTypF	Ogień Typ F	2x12,5	F	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	37	35	31	19,0	(R)EI30	-
25/Ogień+	Ogień Plus	2x12,5	DF	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	40	38	35	22,0	(R)EI30	-
25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	40	38	35	22,0	(R)EI30	-
25/Cicha	Cicha	2x12,5	DFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	12	Without limits	40	38	35	27,0	(R)EI30	●
25/Twarda	Twarda	2x12,5	DEFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	12	Without limits	40	38	35	27,0	(R)EI30	●
25/Hydro	Hydro	2x12,5	GMFH1I	C50, C75, C100	2400	glass wool/rock wool	50	12	Without limits	40	38	35	23,0	(R)EI30	●
27,5/Ogień+[3]	Ogień Plus	1x12,5+1x15,0	DF	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	40	38	35	26,0	(R)EI60	-
30/Ogień+	Ogień Plus	2x15,0	DF	C50, C75, C100	2500	glass wool/rock wool	100	12	Without limits	42	41	37	29,0	(R)EI60	-
30/Twarda	Twarda	2x15,0	DEFH1IR	C50, C75, C100	2000	glass wool/rock wool	100	12	Without limits	42	41	37	32,0	(R)EI60	●
30/Hydro	Hydro	2x15,0	GMFH1I	C50, C75, C100	2400	glass wool/rock wool	100	12	Without limits	42	41	37	29,0	(R)EI60	●

[1] Fire classification LBO-073-KZ/22.
[2] 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.)
[3] Within the system for the fire resistance (R)EI60 and 1x12.5 mm + 1x15.0 mm configuration the Nida Ogień Plus type DF board can be replaced only with the Nida Woda Ogień Plus type DFH2 boards.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht											
		25/Expert	25/Woda	25/OgieńTypF	25/Ogień+	25/WodaOgień+	25/Cicha	25/Twarda	25/Hydro	27,5/Ogień+	30/Ogień+	30/Twarda	30/Hydro
		Consumption of material per 1m²											
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	-	-
Nida Woda 12.5 mm plasterboard	m²	-	2,0	-	-	-	-	-	-	-	-	-	-
Nida Ogień Typ F 12.5 mm plasterboard	m²	-	-	2,0	-	-	-	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	-	-	2,0	-	-	-	-	1,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	1,0	2,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	2,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	-	-	-	2,0
Nida C50, C75, C100 profile	lm	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Anchoring element[4]	pcs.	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 3.5x25 mm sheet metal screws	pcs.	4,0	4,0	4,0	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	4,0	4,0	4,0	4,0	4,0	-	-	-	-	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	4,0	4,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	-	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	-	-	-	-	4,0	4,0	-	-	-	4,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	4,0	-	-	-	4,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Nida Start gypsum putty	kg	0,6	0,6	0,6	0,6	0,6	0,6	-	-	0,6	0,6	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler[5]	kg	-	-	-	-	-	-	0,7	0,7	-	-	0,7	0,7
Mineral wool[6]	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] For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.
[6] Application acc. to the requirements
The standards concerning the amount of utilised material do not cover the loss of the material.

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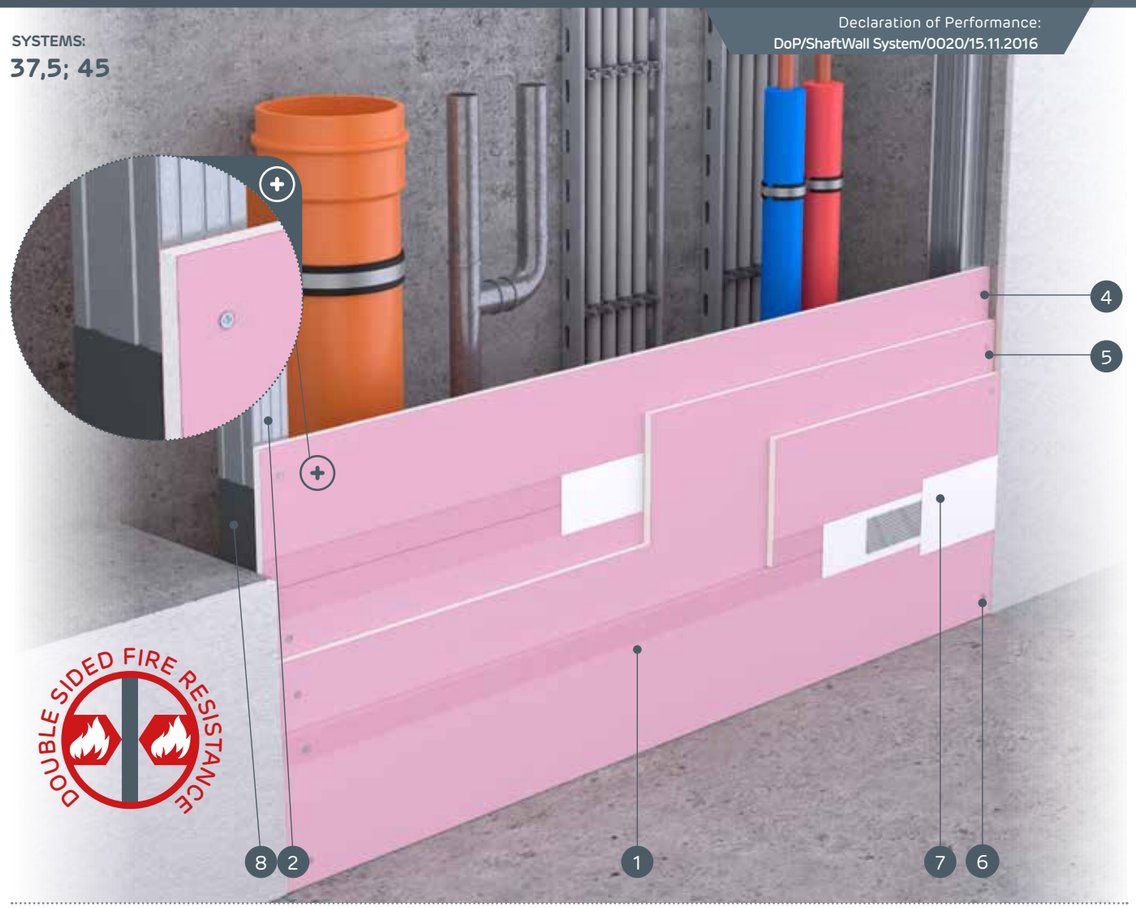
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI60 (R)EI120	41 dB	Without limits	32,0-42,0 kg	ETA 15/0301

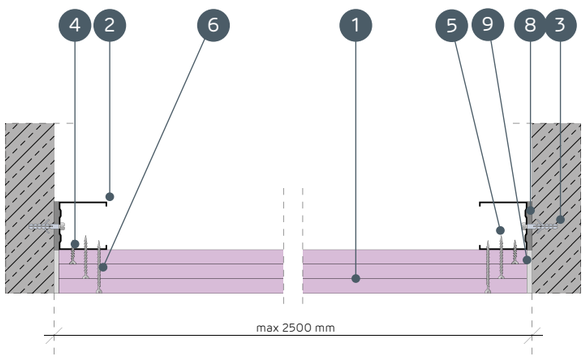
SYSTEMS:
37,5; 45

Declaration of Performance:
DoP/ShaftWall System/0020/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida C50 / C75 / C100 profile
3. Anchoring element
4. Nida 3.5 x 25 mm sheet metal screws
5. Nida 3.5 x 35 mm sheet metal screws
6. Nida 3.5 x 55 mm sheet metal screws
7. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
8. Sealing tape for Nida acoustic insulation
9. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS WITHOUT A LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards				Load-bearing structure		Insulation material			Maximum height	Acoustic insulation			Weight of 1m² of encase-ment	Fire re-sistance class[1]	Special system
					Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thick-ness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thick-ness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
37,5/Ogień+	Ogień Plus	3x12,5	DF	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	41	40	37	32,0	(R)EI60	-
37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	41	40	37	32,0	(R)EI60	-
37,5/Cicha	Cicha	3x12,5	DFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	12	Without limits	41	40	37	40,0	(R)EI60	●
37,5/Twarda	Twarda	3x12,5	DEFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	12	Without limits	41	40	37	40,0	(R)EI60	●
37,5/Hydro	Hydro	3x12,5	GMFH1I	C50, C75, C100	2400	glass wool/rock wool	50	12	Without limits	41	40	37	34,0	(R)EI60	●
45/Ogień+[2]	Ogień Plus	3x15,0	DF	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	41	40	37	42,0	(R)EI120	-
45/WodaOgień+[2]	Woda Ogień Plus	3x15,0	DFH2	C50, C75, C100	2500	glass wool/rock wool	50	12	Without limits	41	40	37	42,0	(R)EI120	-

[1] Fire classification LBO-073-KZ/22.
[2] Within the systems for the fire resistance (R)EI120 and 3x15.0 mm configuration replacement of board types is not possible.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

Material name	UM	System type Nida Szacht						
		37,5/Ogień+	37,5/ WodaOgień+	37,5/Cicha	37,5/Twarda	37,5/Hydro	45/Ogień+	45/ WodaOgień+
		Consumption of material per 1m²						
Nida Ogień Plus 12.5 mm plasterboard	m²	3,0	-	-	-	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	3,0	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	3,0	-
Nida Woda Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	-	3,0
Nida C50, C75, C100 profile	lm	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Anchoring element[3]	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida 3.5x25 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	4,0	4,0
Nida 3.5x35 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	-	4,0	4,0
Nida 3.5x55 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	-	-
Nida 4.2x70 mm sheet metal screws	pcs.	-	-	-	-	-	4,0	4,0
FixDens 4.2x25 mm screws	pcs.	-	-	4,0	4,0	-	-	-
FixDens 4.2x42 mm screws	pcs.	-	-	4,0	4,0	-	-	-
FixDens 4.2x60 mm screws	pcs.	-	-	4,0	4,0	-	-	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Nida Start gypsum putty	kg	0,9	0,9	0,9	-	-	0,9	0,9
Nida Finish gypsum putty	kg	0,1	0,1	0,1	-	-	0,1	0,1
Nida Hydromix ready-to-use joint filler[4]	kg	-	-	-	1,0	1,0	-	-
Mineral wool[5]	m²	1,0	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
The standards concerning the amount of utilised material do not cover the loss of the material.

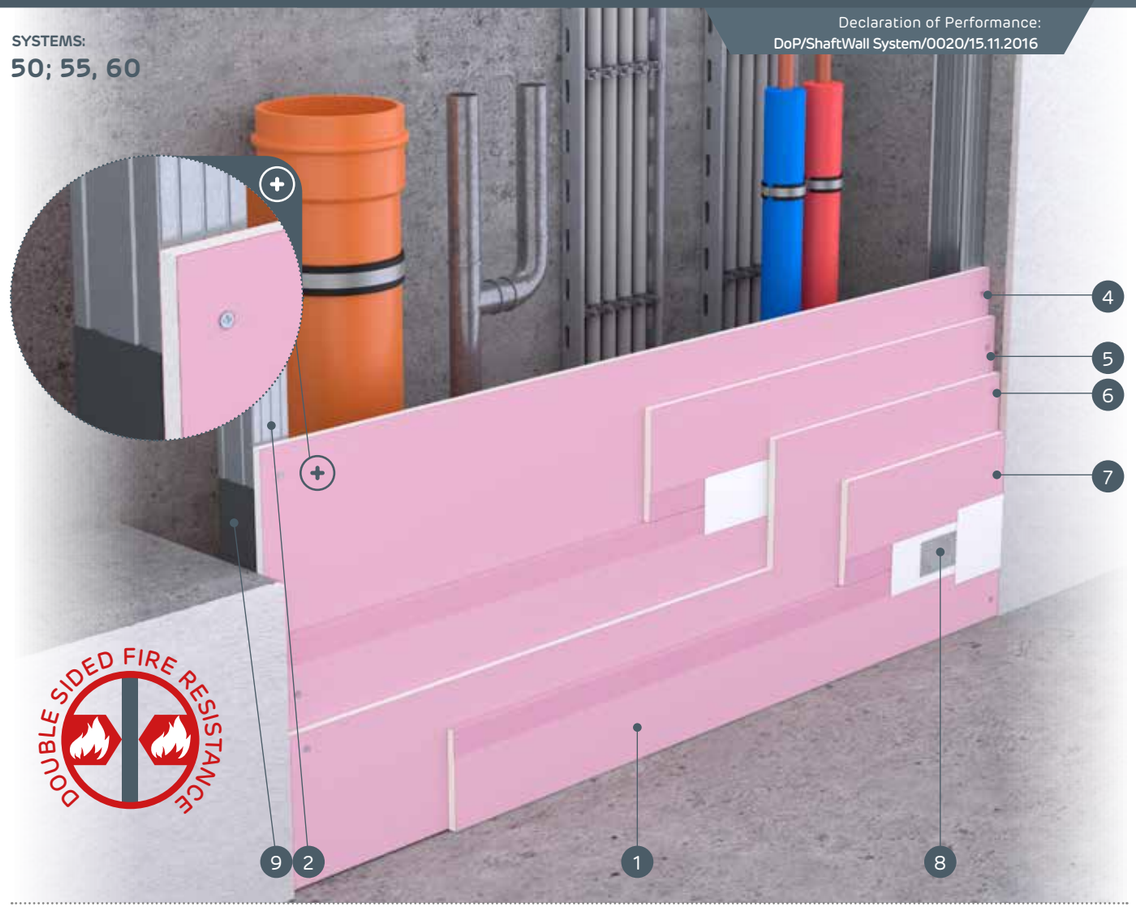
ENCASEMENTS FOR VERTICAL SHAFTS

nida Szacht

Fire resistance class:	Maximum acoustic insulation:	Maximum encasement height:	Weight of 1m² of encasement:	Number of related document:
(R)EI90 (R)EI120	42 dB	Without limits	42,0-64,0 kg	ETA 15/0301

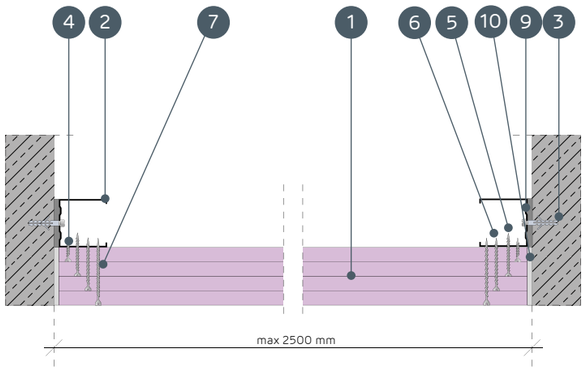
SYSTEMS:
50; 55, 60

Declaration of Performance:
DoP/ShaftWall System/0020/15.11.2016



MATERIALS:

1. Nida plasterboard
2. Nida C50 / C75 / C100 profile
3. Anchoring element
4. Nida 3.5 x 25 mm sheet metal screws
5. Nida 3.5 x 35 mm sheet metal screws
6. Nida 3.5 x 55 mm sheet metal screws
7. Nida 4.2 x 70 mm sheet metal screws
8. The joint between the plasterboards filled with the Nida gypsum compound with the Nida reinforcement tape
9. Sealing tape for Nida acoustic insulation
10. Finishing with Nida gypsum mass



THE ENCASEMENT SYSTEM FOR VERTICAL SHAFTS WITHOUT A LOAD-BEARING STRUCTURE

TECHNICAL PARAMETERS

Nida Szacht system name	Sheathing of plasterboards			Load-bearing structure		Insulation material			Maximum height	Acoustic insulation[2]			Weight of 1m² of encasement	Fire resistance class[1]	Special system
				Type of Nida profile	Axial spacing between Nida profiles	Within the range of the acoustic insulation									
	Nida	Thickness [mm]	Marking acc. to standard		[mm]	Mineral wool	Thickness [mm]	Density [kg/m³]	[mm]	Rw [dB]	Ra1 [dB]	Ra2 [dB]	[kg]	[min]	
50/Ogień+	Ogień Plus	4x12,5	DF	C50, C75, C100	2500	glass wool/rock wool	50	14	Without limits	41	40	38	42,0	(R)EI90	-
50/WodaOgień+	Woda Ogień Plus	4x12,5	DFH2	C50, C75, C100	2500	glass wool/rock wool	50	14	Without limits	41	40	38	42,0	(R)EI90	-
50/Cicha	Cicha	4x12,5	DFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	14	Without limits	41	40	38	53,0	(R)EI90	●
50/Twarda	Twarda	4x12,5	DEFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	14	Without limits	41	40	38	53,0	(R)EI90	●
50/Hydro	Hydro	4x12,5	GMFH1I	C50, C75, C100	2400	glass wool/rock wool	50	14	Without limits	41	40	38	45,0	(R)EI90	●
55/Ogień+	Ogień Plus	2x12,5 + 2x15,0	DF	C50, C75, C100	2500	glass wool/rock wool	50	14	Without limits	41	40	38	51,0	(R)EI120	-
60/Ogień+	Ogień Plus	4x15,0	DF	C50, C75, C100	2500	glass wool/rock wool	50	14	Without limits	42	41	39	56,0	(R)EI120	-
60/Twarda	Twarda	4x15,0	DEFH1IR	C50, C75, C100	2000	glass wool/rock wool	50	14	Without limits	42	41	39	64,0	(R)EI120	●
60/Hydro	Hydro	4x15,0	GMFH1I	C50, C75, C100	2400	glass wool/rock wool	50	14	Without limits	42	41	39	56,0	(R)EI120	●

[1] Fire classification LBO-073-KZ/22.
[2] The acoustic insulation is estimated basing on the simulation performed with utilisation of the INSUL program.

CONSUMPTION OF MATERIALS PER 1M² FOR THE INSTALLATION VERTICAL SHAFT ENCASEMENTS CONSTRUCTED ACCORDING TO THE NIDA SZACHT SYSTEM

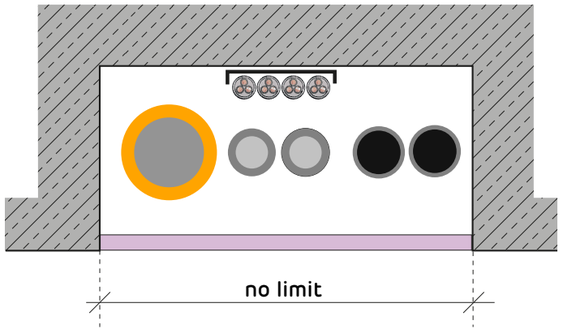
Material name	UM	System type Nida Szacht								
		50/Ogień+	50/ WodaOgień+	50/Cicha	50/Twarda	50/Hydro	55/Ogień+	60/Ogień+	60/Twarda	60/Hydro
		Consumption of material per 1m²								
Nida Ogień Plus 12.5 mm plasterboard	m²	4,0	-	-	-	-	2,0	-	-	-
Nida Woda Ogień Plus 12.5 mm plasterboard	m²	-	4,0	-	-	-	-	-	-	-
Nida Cicha 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	4,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	4,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	-	-	4,0
Nida C50, C75, C100 profile	lm	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Anchoring element[3]	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida 3.5x25 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	-	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	-	4,0	4,0	-	-
Nida 3.5x55 mm sheet metal screws	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
Blachowkręty Nida 3,5x70 mm	pcs.	4,0	4,0	-	-	-	4,0	4,0	-	-
FixDens 4.2x25 mm screws	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.2x42 mm screws	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.2x60 mm screws	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
FixDens 4.5x80 mm screws	pcs.	-	-	4,0	4,0	-	-	-	4,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida Hydro C5 4.2x70 mm sheet metal screws	pcs.	-	-	-	-	4,0	-	-	-	4,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Acoustic insulation tape	lm	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Nida Start gypsum putty	kg	1,2	1,2	1,2	-	-	1,2	1,2	-	-
Nida Finish gypsum putty	kg	0,1	0,1	0,1	-	-	0,1	0,1	-	-
Nida Hydromix ready-to-use joint filler[4]	kg	-	-	-	1,3	1,3	-	-	1,3	1,3
Mineral wool[5]	m²	1,0	1,0	1,0	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
The standards concerning the amount of utilised material do not cover the loss of the material.

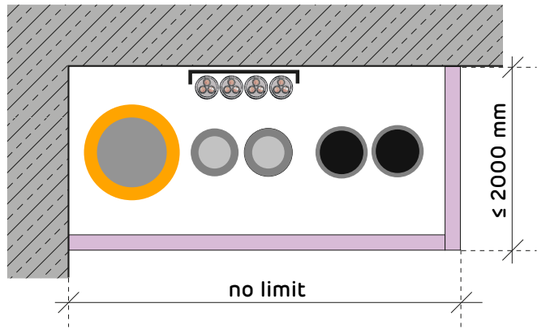
encasemenet **types duct**

ACCEPTABLE TYPES OF SERVICE SHAFTS
NIDA SZACHT ACCORDING TO THE TECHNOLOGY BY SINIAT

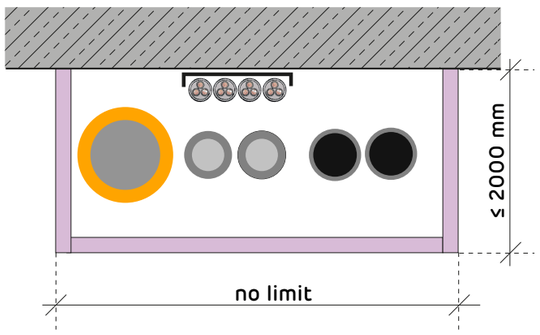
Option 1. Single-sided encasement



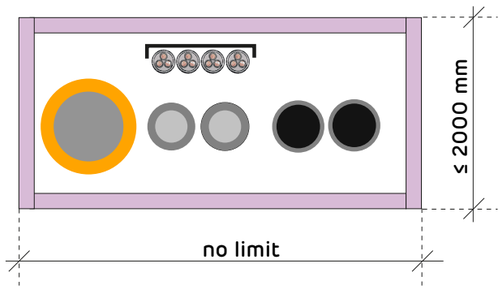
Option 2. Double-sided encasement



Option 3. Three-sided encasement



Option 4. Four-sided encasement



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