

dry screed

The Nida Podłoga dry screed system consists of the Nida Twarda KP specially modified flooring plaster-particle boards with fibres and constitutes an alternative to the conventional solutions (levelling).

The dry screed system is intended to be laid on any floors, both new, and those to be renovated. Its relatively insignificant weight and quick and dry application make this system the perfect solution to the problem of renovating and old, damaged

floors, especially in the case of weakened floor structures. Apart from the aforementioned advantages, the dry screed system according to the technology by Siniat is provided with the fire resistance class REI60 for fire exposition from the top, in order to meet the requirements of the class it is necessary to apply two layers of the Nida Twarda KP plaster-particle board with fibres, thickness 12.5 mm.

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1168 LWA/25 1170 S/25 1172 MW/25 1174 PUF/25

1176 LWA/25

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nıda Podłoga / index of systems

W.		Base	layer	Diagra	ch a a cd a b a a b	hiaa		Fastening ac	cessories		Acceptable l	oad	Weight of 1m ² of	Fire resistance	
*	Nida Podłoga system name	(level	lling)	Plaste	rboard sheat	niing		etween ard layers	Mechan fastene		Surface	Point	encase- ment 3)	$(a \rightarrow b)^{1/2}$	Special system
Page		Material	Reaction to fire class	Nida	Marking acc. to standard	Thickness [mm]	Thickness [mm]	Туре	Screws	Steel staples	kN/m²	kN	[kg]	[min]	
			DRY SCRE	ED SYSTEM I	NSTALLED OF	N BASE LAY	AYER OF MINERAL SUBBASE – FIRE RESISTAN			STANCE F	ROM TOP				
1169	LWA/25/Twarda	LECA	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	board-board	-	3,0	2,0	27,0	REI60	•
1169	LWA/25/Twarda	LECA	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-	C4/23	3,0	2,0	27,0	REI60	•

1	4	Base	layer	Diacto	shoord shoot	hina		Fastening a	ccessories		Acceptable	load	Weight of 1m ² of	Fire resistance	
×	Nida Podłoga encasement type	(leve	lling)	Pidste	TOUGIU STIEdi	rillig					Surface	Point	encase- ment ³⁾	class $(a \rightarrow b)^{1/2}$	Special system
Page		Material	Reaction to fire class	Nida	Marking acc. to standard	Thickness [mm]	Thickness [mm]	Туре	Screws	Steel staples	kN/m²	kN	[kg]	[min]	
		D	RY SCREED	SYSTEM INS	STALLED ON	BASE LAYE	ER OF STYROFOAM BOARDS – FIRE RESISTANCE		STANCE F	ROM TOP					
1171	S/25/Twarda	styrofoam	E	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	board-board	-	3,0	2,0	27,0	REI60	•
1171	S/25/Twarda	styrofoam	Е	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-	C4/23	3,0	2,0	27,0	REI60	•
	1171	Page encasement type 1171 S/25/Twarda	Page Nida Podłoga encasement type Material 1171 S/25/Twarda styrofoam	Page encasement type Material Reaction to fire class DRY SCREED 1171 S/25/Twarda styrofoam E	Page Nida Podłoga encasement type Material Reaction to fire class DRY SCREED SYSTEM INS 1171 S/25/Twarda styrofoam E Twarda KP	Page Nida Podłoga encasement type Reaction to fire class Nida acc. to standard	Page Nida Podłoga encasement type Material Reaction to fire class Nida Marking acc. to standard Thickness [mm] DRY SCREED SYSTEM INSTALLED ON BASE LAYE 1171 S/25/Twarda Styrofoam E Twarda KP DEFH1IR 2x12,5	Nida Podłoga encasement type Page Material Reaction to fire class DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF STYF 1171 S/25/Twarda styrofoam E Twarda KP DEFH1IR 2x12,5 1,0	Page Nida Podłoga encasement type Material Reaction to fire class DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF STYROFOAM BOARD 1171 S/25/Twarda styrofoam E Twarda KP DEFH1IR 2x12,5 1,0 gypsum putty	Page Material Reaction to fire class DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF STYROFOAM BOARDS – FIRE RESISTANT 1171 S/25/Twarda styrofoam E Twarda KP DEFH1IR 2x12,5 1,0 gypsum putty board-board	Page Material Reaction to fire class DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF STYROFOAM BOARDS – FIRE RESISTANCE F	Page Material Reaction to fire class DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF STYROFOAM BOARDS – FIRE RESISTANCE FROM TOP 1171 S/25/Twarda styrofoam E Twarda KP DEFH1IR 2x12,5 1,0 gypsum putty board-board - 3,0	Page Nida Podłoga encasement type Material Reaction to fire class DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF STYROFOAM BOARDS – FIRE RESISTANCE FROM TOP 1171 S/25/Twarda styrofoam E Twarda KP DEFH1IR 2x12,5 1,0 gypsum putty board-board - 3,0 2,0	Page Material Reaction to fire class DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF STYROFOAM BOARDS – FIRE RESISTANCE FROM TOP 1171 S/25/Twarda styrofoam E Twarda KP DEFH1IR 2x12,5 1,0 gypsum putty board-board - 3,0 2,0 27,0	Page Material Reaction to fire class DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF STYROFOAM BOARDS – FIRE RESISTANCE FROM TOP 1171 S/25/Twarda styrofoam E Twarda KP DEFH1IR 2x12,5 1,0 gypsum putty board-board - 3,0 2,0 27,0 REI60

2		Base	layer	Diagha	shoosd shoot	hioo		Fastening ac	cessories		Acceptable I	load	Weight of 1m ² of	Fire resistance	
	Nida Podłoga encasement type	(level	lling)	PIdSLE	rboard sheat	ning		etween rd layers	Mechar fasten		Surface	Point	encase- ment 3)		Special system
Page		Material	Reaction to fire class	Nida	Marking acc. to standard	Thickness [mm]	Thickness [mm]	Туре	Screws	Steel staples	kN/m²	kN	[kg]	[min]	
		DRY SC	REED SYST	EM INSTALLE	ED ON BASE	LAYER OF A	MINERAL WOOL OF ROCK FIBRES – FIRE RES				NCE FROM TOP				
1173	MW/25/Twarda	mineral wool	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	board-board	-	3,0	2,0	27,0	REI60	•
1173	MW/25/Twarda	mineral wool	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-	C4/23	3,0	2,0	27,0	REI60	•

							i				i		i			
1		6	Base I		Dlacke	achoard choat	hina		Fastening ad	ccessories		Acceptable		Weight of 1m ² of	Fire resistance	
		Nida Podłoga encasement type	(levell	ing)	Plasterboard sheathing Between Mechanical board layers fasteners			Surface	Point	encase- ment 3)	class $(a \rightarrow b)^{1/2}$	Special system				
	Page		Material	Reaction to fire class	Nida	Marking acc. to standard	Thickness [mm]	Thickness [mm]	Туре	Screws	Steel staples	kN/m²	kN	[kg]	[min]	
			DRY S	CREED SYS	TEM INSTALI	LED ON BASE	LAYER OF	POLYUREH	HANE FOAM MA	AT – FIRE RESI	ISTANCE I	FROM TOP				
	1175	PUF/25/Twarda	polyuretha- ne foam mat	E	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	board-board	-	3,0	2,0	27,0	REI60	•
	1175	PUF/25/Twarda	polyuretha- ne foam mat	Е	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-	C4/23	3,0	2,0	27,0	REI60	•

¹⁾ Fire classification no. LBO-086-KZ/21.

Fire resistance class ($a \rightarrow b$) - fire resistance with fire exposition from the top side.

3) The weight of encasement does not include the weight of the base layer (LECA/Styrofoam/mineral wool/polyurethane foam).

4) The Nida Podłoga dry screed system must not be utilised in wet areas (mass catering kitchens, public bathhouses, laundries, etc.).

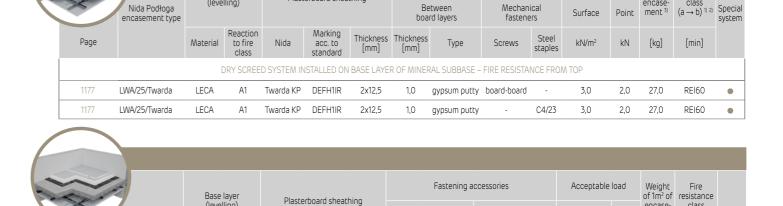












board layers

board layers

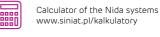
fasteners

fasteners

Plasterboard sheathing

			class		standard	[mm]	[mm]	71.		staples			£ 33	. ,
		DR	Y SCREE	D SYSTEM IN:	STALLED ON	BASE LAYE	R OF STY	ROFOAM BOARD	S – FIRE RESIS	TANCE F	ROM TOP			
1179	S/25/Twarda	styrofoam	Е	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	board-board	-	3,0	2,0	27,0	REI60
1179	S/25/Twarda	styrofoam	Е	Twarda KP	DEFH1IR	2x12.5	1,0	gypsum putty	-	C4/23	3,0	2.0	27.0	REI60

6																
			Base	layer	Dlack	orboard choa	thing		Fastening a	ccessories		Acceptab	le load	Weight of 1m ² of	Fire resistance	
		Nida Podłoga encasement type	(leve	lling)	PldSU	erboard shea	uning		etween rd layers	Mechani fastene		Surface	Point	encase- ment 3)		Special system
	Page		Material	Reaction to fire class	Nida	Marking acc. to standard	Thickness [mm]	Thickness [mm]	Туре	Screws	Steel staples	kN/m²	kN	[kg]	[min]	
			DRY SC	REED SYST	EM INSTALLE	ED ON BASE	LAYER OF M	INERAL WO	OL OF ROCK FIE	BRES – FIRE RE	SISTANCE	FROM TOP				
	1181	MW/25/Twarda	mineral wool	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	board-board	-	3,0	2,0	27,0	REI60	•
	1181	MW/25/Twarda	mineral wool	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-	C4/23	3,0	2,0	27,0	REI60	•











kN [kg] [min]

Fire classification no. LBO-086-KZ/21.
 Fire resistance class (a → b) - fire resistance with fire exposition from the top side.
 The weight of encasement does not include the weight of the base layer (LECA/Styrofoam/mineral wool/polyurethane foam).
 The Nida Podłoga dry screed system must not be utilised in wet areas (mass catering kitchens, public bathhouses, laundries, etc.).

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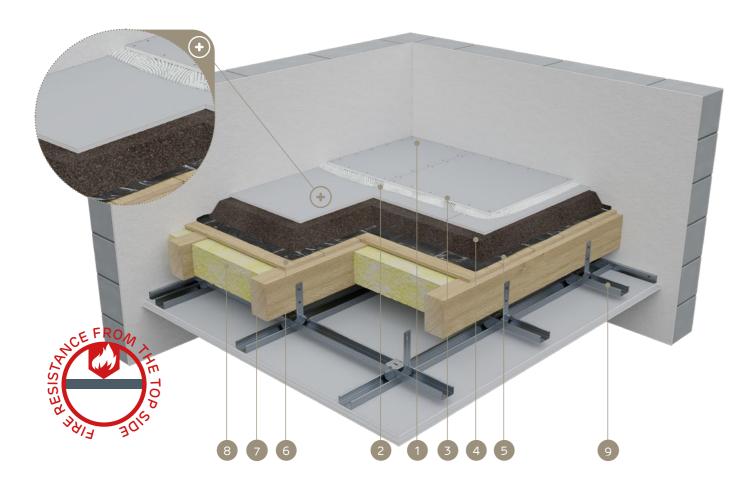






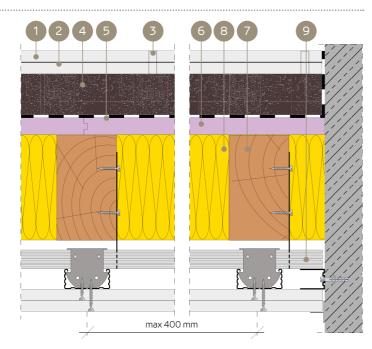
Fire classification: LBO-086-KZ/21

SYSTEMS: **LWA/25**



MATERIALS:

- 1. Nida Twarda KP flooring plasterboard
- 2. Nida Max joint filler
- Steel staples
- 4. Levelling compound (e.g. expanded clay)
- 5. Anti-moisture insulation
- 6. Ceiling finish: wooden boards, or wood-like boards
- 7. Timber floor beams
- 8. Insulation material mineral wool
- 9. Nida Sufit suspended ceiling structure













DRY SCREED SYSTEM LAID ON MINERAL BASE LAYER - FIRE RESISTANCE FROM TOP SIDE

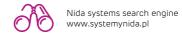
TECHNICAL PAR	AMETERS	5												
Nida Podłoga encasement type	Base	layer	Dlack	erboard sheat	hina		Fastening ac	cessories		Acceptable	e load	Weight of 1m ² of	Fire resistance class	
	(leve	lling)	PidSU	eroodio sriedi	illig		etween rd layers	Mech faste		Surface	Point	encase- ment ³⁾	$(a \to b)^{(1)(2)}$	Special system
	Material	Reaction to fire class	Nida	Marking acc. to standard	Thickness [mm]	Thickness [mm]	Туре	Screws	Steel staples	kN/m²	kN	[kg]	[min]	
LWA/25/Twarda	LECA	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-board	-	3,0	2,0	27,0	REI60	•
LWA/25/Twarda	LECA	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-	C4/23	3,0	2,0	27,0	REI60	•

³⁾ The weight of encasement does not include the weight of the base layer (LECA/Styrofoam/mineral wool/polyurethane foam).
4) The Nida Podłoga dry screed system must not be utilised in wet areas (mass catering kitchens, public bathhouses, laundries, etc.).

CONSUMPTION OF MATERIALS PER 1 M ² OF NIDA PODŁOGA DRY SCREE	ED SYSTEM		
		Nida Podłoga e	ncasement type
Name of material	Unit	LWA/25/Twarda	LWA/25/Twarda
		Consumpt	ion per 1m²
Nida Twarda KP plasterboard	m²	2,0	2,0
Nida 5.0x35 mm board-board screws	pcs.	20,0	-
Galvanised steel staples C4/23	pcs.	-	20,0
Nida Max gypsum putty (connecting layer) 5)	kg	3,0	3,0
Nida Max gypsum putty (filling joints) 5)	kg	as needed	as needed
Base layer – dry LECA per each 1 cm of thickness	I	10,0	10,0
Peripheral insulation strip of mineral wool	m	as needed	as needed

⁵⁾ Alternatively, apply the Nida Fire gypsum putty, or Nida Fix gypsum adhesive. The standards of consumption do not account for any loss of material.







 $^{^{9}}$ Fire classification no. LBO-086-KZ/21. $^{2)}$ Fire resistance class (a \rightarrow b) - fire resistance with fire exposition from the top side.



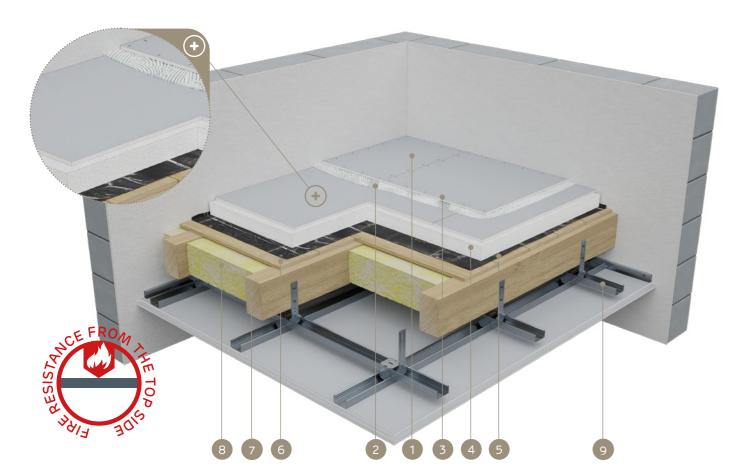






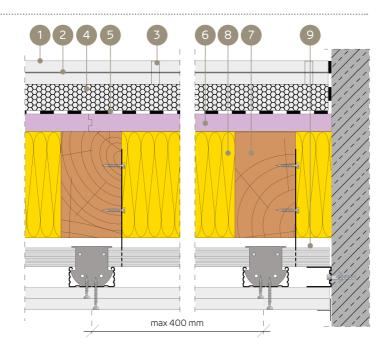


SYSTEMS: **S/25**



MATERIALS:

- 1. Nida Twarda KP flooring plasterboard
- 2. Nida Max joint filler
- 3. Steel staples
- 4. Styrofoam
- 5. Anti-moisture insulation
- 6. Ceiling finish: wooden boards, or wood-like boards
- 7. Timber floor beams
- 8. Insulation material mineral wool
- 9. Nida Sufit suspended ceiling structure













DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF STYROFOAM BOARDS - FIRE RESISTANCE FROM TOP

TECHNICAL PAR	AMETERS	5												
	Base	layer	Dlacte	orboard choat	hina		Fastening ad	cessories		Acceptable	load	Weight of 1m ² of	Fire resistance class	
Nida Podłoga encasement type	(leve	lling)	PidSU	terboard sheathing Between Mechanical board layers fasteners		Surface	Point	encase- ment ³⁾	$(a \to b)^{(1)(2)}$	Special system				
	Material	Reaction to fire class	Nida	Marking acc. to standard	Thickness [mm]	Thickness [mm]	Туре	Screws	Steel staples	kN/m²	kN	[kg]	[min]	
S/25/Twarda	styrofoam	Е	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-board	-	3,0	2,0	27,0	REI60	•
S/25/Twarda	styrofoam	Е	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-	C4/23	3,0	2,0	27,0	REI60	•

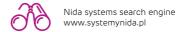
Peripheral insulation strip of mineral wool

³⁾ The weight of encasement does not include the weight of the base layer (LECA/Styrofoam/mineral wool/polyurethane foam).
4) The Nida Podłoga dry screed system must not be utilised in wet areas (mass catering kitchens, public bathhouses, laundries, etc.).

CONSUMPTION OF MATERIALS PER 1 M ² OF NIDA PODŁOGA DRY SCREED	SYSTEM		
		Nida Podłoga e	ncasement type
Name of material	Unit	S/25/Twarda	S/25/Twarda
		Consumpt	ion per 1m²
Nida Twarda KP plasterboard	m^2	2,0	2,0
Nida 5.0x35 mm board-board screws	pcs.	20,0	-
Galvanised steel staples C4/23	pcs.	-	20,0
Nida Max gypsum putty (connecting layer) 5)	kg	3,0	3,0
Nida Max gypsum putty (filling joints) 5)	kg	as needed	as needed
Base layer – Styrofoam	m²	1,0	1,0

⁵⁾ Alternatively, apply the Nida Fire gypsum putty, or Nida Fix gypsum adhesive. The standards of consumption do not account for any loss of material.





as needed

as needed

 $^{^{9}}$ Fire classification no. LBO-086-KZ/21. $^{2)}$ Fire resistance class (a \rightarrow b) - fire resistance with fire exposition from the top side.

nıda Podłoga



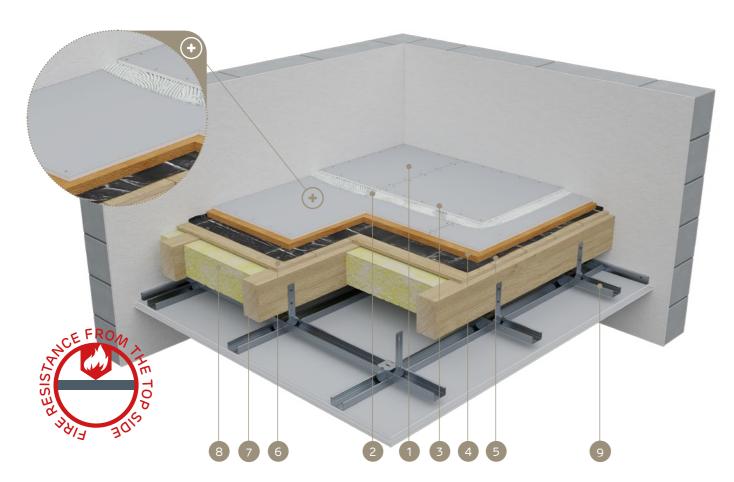






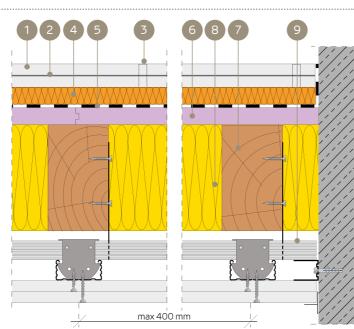


SYSTEMS: **MW/25**



MATERIALS:

- 1. Nida Twarda KP flooring plasterboard
- 2. Nida Max joint filler
- 3. Steel staples
- 4. Rock wool
- 5. Anti-moisture insulation
- 6. Ceiling finish: wooden boards, or wood-like boards
- 7. Timber floor beams
- 8. Insulation material mineral wool
- 9. Nida Sufit suspended ceiling structure













DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF MINERAL WOOL OF ROCK FIBRES - FIRE RESISTANCE FROM TOP

TECHNICAL PAR	AMETERS	5												
	Base	layer	Dlacte	erboard sheat	nina		Fastening ac	cessories		Acceptable	load	Weight of 1m ² of	Fire resistance class	
Nida Podłoga encasement type	(leve	lling)	Flasti	eroodio Sileat	illig		etween rd layers	Mecha faste		Surface	Point	encase- ment ³⁾	$(a \to b)^{(1)(2)}$	Special system
	Material	Reaction to fire class		Marking acc. to standard	Thickness [mm]	Thickness [mm]	Туре	Screws	Steel staples	kN/m²	kN	[kg]	[min]	
MW/25/Twarda	mineral wool	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	board- -board	-	3,0	2,0	27,0	REI60	•
MW/25/Twarda	mineral wool	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-	C4/23	3,0	2,0	27,0	REI60	•

³⁾ The weight of encasement does not include the weight of the base layer (LECA/Styrofoam/mineral wool/polyurethane foam).
4) The Nida Podłoga dry screed system must not be utilised in wet areas (mass catering kitchens, public bathhouses, laundries, etc.).

CONSUMPTION OF MATERIALS PER 1 M ² OF NIDA PODŁOGA DRY SCRE	ED SYSTEM		
		Nida Podłoga e	ncasement type
Name of material	Unit	MW/25/Twarda	MW/25/Twarda
		Consumpt	ion per 1m²
Nida Twarda KP plasterboard	m^2	2,0	2,0
Nida 5.0x35 mm board-board screws	pcs.	20,0	-
Galvanised steel staples C4/23	pcs.	-	20,0
Nida Max gypsum putty (connecting layer) 5)	kg	3,0	3,0
Nida Max gypsum putty (filling joints) 5)	kg	as needed	as needed
Base layer – mineral wool ⁶⁾	m²	1,0	1,0
Peripheral insulation strip of mineral wool	m	as needed	as needed





 $^{^{9}}$ Fire classification no. LBO-086-KZ/21. $^{2)}$ Fire resistance class (a \rightarrow b) - fire resistance with fire exposition from the top side.

⁵⁾ Alternatively, apply the Nida Fire gypsum putty, or Nida Fix gypsum adhesive.
6) Mineral wool boards of rock fibres; density min.100 kg/m³.
The standards of consumption do not account for any loss of material.



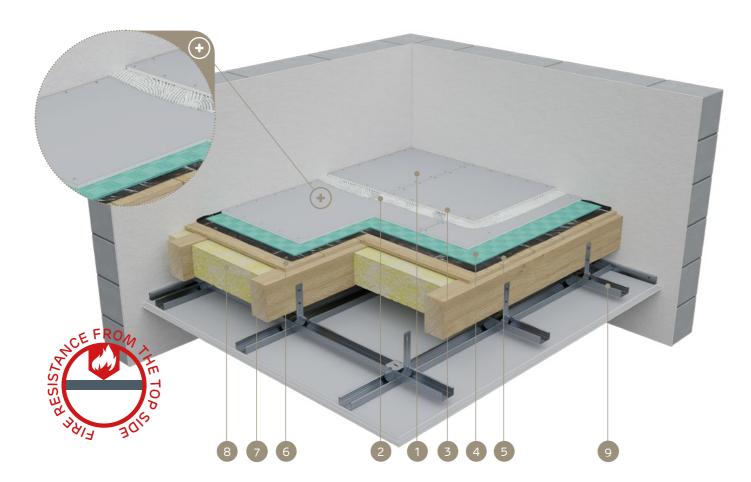






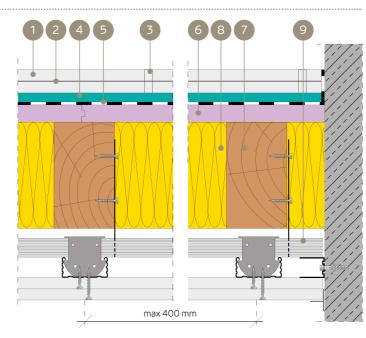


SYSTEMS: **PUF/25** Fire classification: LBO-086-KZ/21



MATERIALS:

- 1. Nida Twarda KP flooring plasterboard
- 2. Nida Max joint filler
- 3. Steel staples
- 4. Foam
- 5. Anti-moisture insulation
- 6. Ceiling finish: wooden boards, or wood-like boards
- 7. Timber floor beams
- 8. Insulation material mineral wool
- 9. Nida Sufit suspended ceiling structure













DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF POLYUREHANE FOAM MAT - FIRE RESISTANCE FROM TOP

TECHNICAL PARAMETERS														
	Base layer (levelling)		Plasterboard sheathing		Fastening accessories				Acceptable	load	Weight of 1m ² of	f Fire resistance class	2	
Nida Podłoga encasement type			Flost	Tiesterovero streetiilig		Between board layers		Mech faste		Surface	Point	encase- ment 3)	$(a \to b)^{(1)(2)}$	Special system
	Material	Reaction to fire class	Nida	Marking acc. to standard	Thickness [mm]	Thickness [mm]	Туре	Screws	Steel staples	kN/m²	kN	[kg]	[min]	
PUF/25/Twarda	polyuretha- ne foam mat	E	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-board	-	3,0	2,0	27,0	REI60	•
PUF/25/Twarda	polyuretha- ne foam mat	Е	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-	C4/23	3,0	2,0	27,0	REI60	•

³⁾ The weight of encasement does not include the weight of the base layer (LECA/Styrofoam/mineral wool/polyurethane foam).
4) The Nida Podłoga dry screed system must not be utilised in wet areas (mass catering kitchens, public bathhouses, laundries, etc.).

CONSUMPTION OF MATERIALS PER 1 M ² OF NIDA PODŁOGA DRY SCREED SYSTEM									
		Nida Podłoga encasement type							
Name of material	Unit	PUF/25/Twarda	PUF/25/Twarda						
		Consumption per 1m ²							
Nida Twarda KP plasterboard	m²	2,0	2,0						
Nida 5.0x35 mm board-board screws	pcs.	20,0	-						
Galvanised steel staples C4/23	pcs.	-	20,0						
Nida Max gypsum putty (connecting layer) 5)	kg	3,0	3,0						
Nida Max gypsum putty (filling joints) 5)	kg	as needed	as needed						
Base layer – polyurethane foam mat	m²	1,0	1,0						
Peripheral insulation strip of mineral wool	m	as needed	as needed						

 $^{^{5)}}$ Alternatively, apply the Nida Fire gypsum putty, or Nida Fix gypsum adhesive. The standards of consumption do not account for any loss of material.





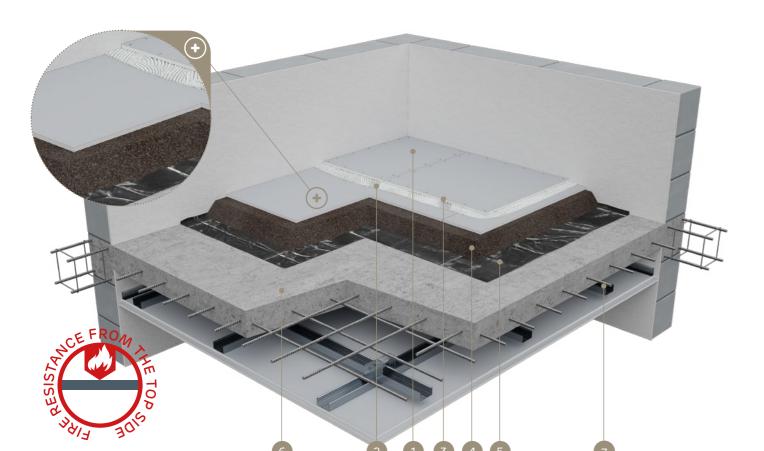


 $^{^{9}}$ Fire classification no. LBO-086-KZ/21. $^{2)}$ Fire resistance class (a \rightarrow b) - fire resistance with fire exposition from the top side.



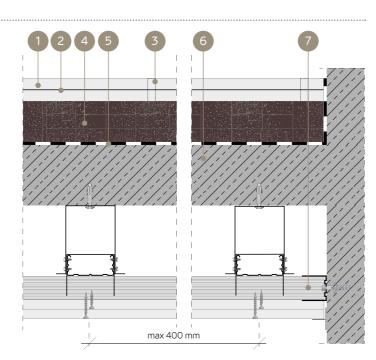


SYSTEMS: **LWA/25**



MATERIALS:

- 1. Nida Twarda KP flooring plasterboard
- 2. Nida Max joint filler
- Steel staples
- 4. Levelling compound (e.g. expanded clay)
- 5. Anti-moisture insulation
- 6. Reinforced concrete floor
- 7. Nida Sufit suspended ceiling structure













DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF MINERAL SUBBASE - FIRE RESISTANCE FROM TOP

TECHNICAL PARA	AMETERS													
	Base layer (levelling)		Plasterboard sheathing			Fastening accessories			Acceptable load		Weight of 1m ² of	f Fire resistance class		
Nida Podłoga encasement type			Flosterouald Streathing		Between Mechanical board layers fasteners		Surface	Point	encase- ment ³⁾	$(a \to b)^{(1)(2)}$	Special system			
	Material	Reaction to fire class	Nida	Marking acc. to standard	Thickness [mm]	Thickness [mm]	Туре	Screws	Steel staples	kN/m²	kN	[kg]	[kg] [min]	
LWA/25/Twarda	LECA	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	board- -board	-	3,0	2,0	27,0	REI60	•
LWA/25/Twarda	LECA	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-	C4/23	3,0	2,0	27,0	REI60	•

³⁾ The weight of encasement does not include the weight of the base layer (LECA/Styrofoam/mineral wool/polyurethane foam).
4) The Nida Podłoga dry screed system must not be utilised in wet areas (mass catering kitchens, public bathhouses, laundries, etc.).

CONSUMPTION OF MATERIALS PER 1 M² OF NIDA PODŁOGA DRY SCREED SYSTEM									
		Nida Podłoga encasement type							
Name of material	Unit	LWA/25/Twarda	LWA/25/Twarda						
		Consumption per 1m ²							
Nida Twarda KP plasterboard	m^2	2,0	2,0						
Nida 5.0x35 mm board-board screws	pcs.	20,0	-						
Galvanised steel staples C4/23	pcs.	-	20,0						
Nida Max gypsum putty (connecting layer) 5)	kg	3,0	3,0						
Nida Max gypsum putty (filling joints) 5)	kg	as needed	as needed						
Base layer – dry LECA per each 1 cm of thickness	I	10,0	10,0						
Peripheral insulation strip of mineral wool	m	as needed	as needed						







 $^{^{9}}$ Fire classification no. LBO-086-KZ/21. $^{2)}$ Fire resistance class (a \rightarrow b) - fire resistance with fire exposition from the top side.

⁵⁾ Alternatively, apply the Nida Fire gypsum putty, or Nida Fix gypsum adhesive. The standards of consumption do not account for any loss of material.



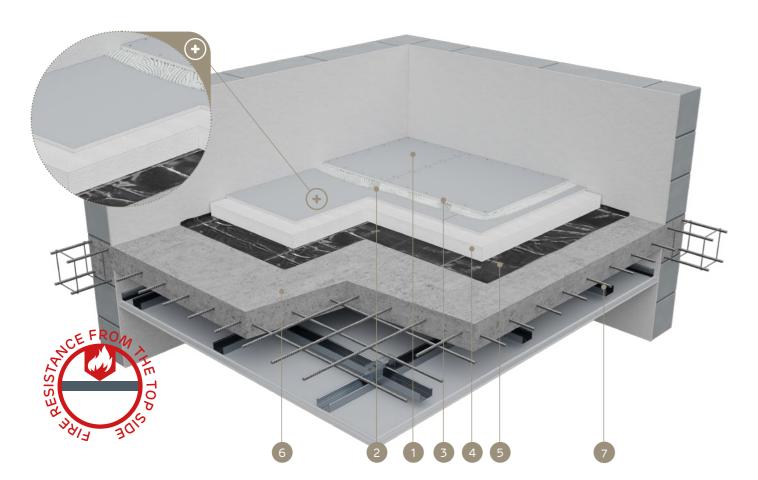






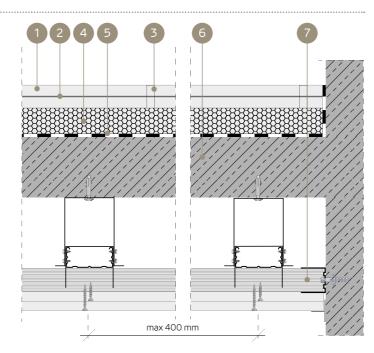


SYSTEMS: **S/25**



MATERIALS:

- 1. Nida Twarda KP flooring plasterboard
- 2. Nida Max joint filler
- 3. Steel staples
- 4. Styrofoam
- 5. Anti-moisture insulation
- 6. Reinforced concrete floor
- 7. Nida Sufit suspended ceiling structure













DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF STYROFOAM BOARDS - FIRE RESISTANCE FROM TOP

TECHNICAL PARAMETERS														
	Base	layer	Dlacte	Disaberha and shoothing			Fastening accessories				Acceptable load		of Fire resistance class	
Nida Podłoga encasement type	(levelling)		Plasterboard sheathing		Between board layers		Mech faste		Surface	Point	encase- ment ³⁾	$(a \to b)^{(1)(2)}$	Special system	
	Material	Reaction to fire class	Nida	Marking acc. to standard	Thickness [mm]	Thickness [mm]	Туре	Screws	Steel staples	kN/m²	kN	[kg]	[min]	
S/25/Twarda	styrofoam	Е	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-board	-	3,0	2,0	27,0	REI60	•
S/25/Twarda	styrofoam	Е	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-	C4/23	3,0	2,0	27,0	REI60	•

³⁾ The weight of encasement does not include the weight of the base layer (LECA/Styrofoam/mineral wool/polyurethane foam).
4) The Nida Podłoga dry screed system must not be utilised in wet areas (mass catering kitchens, public bathhouses, laundries, etc.).

CONSUMPTION OF MATERIALS PER 1 M² OF NIDA PODŁOGA DRY SCREED SYSTEM								
		Nida Podłoga encasement type						
Name of material	Unit	S/25/Twarda	S/25/Twarda					
		Consumption per 1m ²						
Nida Twarda KP plasterboard	m^2	2,0	2,0					
Nida 5.0x35 mm board-board screws	pcs.	20,0	-					
Galvanised steel staples C4/23	pcs.	-	20,0					
Nida Max gypsum putty (connecting layer) 5)	kg	3,0	3,0					
Nida Max gypsum putty (filling joints) 5)	kg	as needed	as needed					
Base layer – Styrofoam	m^2	1,0	1,0					
Peripheral insulation strip of mineral wool	m	as needed	as needed					

⁵⁾ Alternatively, apply the Nida Fire gypsum putty, or Nida Fix gypsum adhesive. The standards of consumption do not account for any loss of material.







 $^{^{9}}$ Fire classification no. LBO-086-KZ/21. $^{2)}$ Fire resistance class (a \rightarrow b) - fire resistance with fire exposition from the top side.

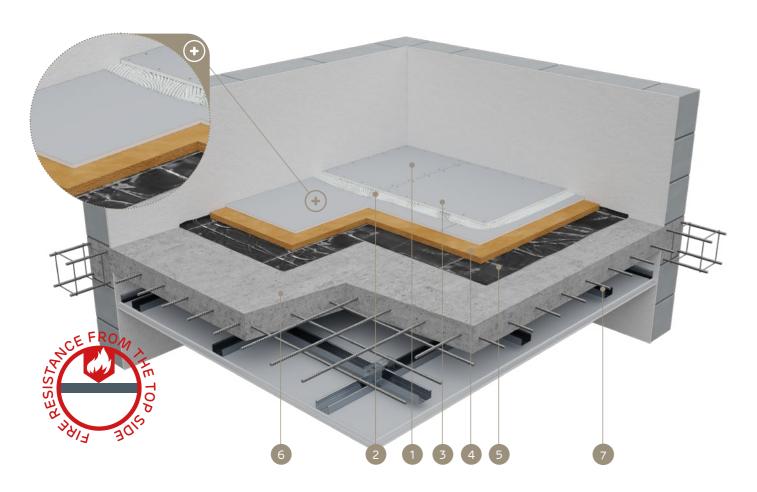






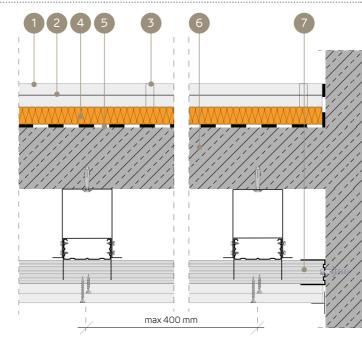


SYSTEMS: **MW/25**



MATERIALS:

- 1. Nida Twarda KP flooring plasterboard
- 2. Nida Max joint filler
- 3. Steel staples 4. Rock wool
- 5. Anti-moisture insulation
- 6. Reinforced concrete floor
- 7. Nida Sufit suspended ceiling structure













DRY SCREED SYSTEM INSTALLED ON BASE LAYER OF MINERAL WOOL OF ROCK FIBRES - FIRE RESISTANCE FROM TOP

TECHNICAL PAR	TECHNICAL PARAMETERS													
	Base	layer	Dlacte	Plasterboard sheathing			Fastening accessories				Acceptable load		of Fire resistance class	
Nida Podłoga encasement type	(levelling)		riasteroodio sileatiiliig		Between board layers		Mecha faste		Surface	Point	encase- ment ³⁾	$(a \to b)^{(1)(2)}$	Special system	
	Material	Reaction to fire class	Nida	Marking acc. to standard	Thickness [mm]	Thickness [mm]	Туре	Screws	Steel staples	kN/m²	kN	[kg]	[min]	
MW/25/Twarda	mineral wool	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-board	-	3,0	2,0	27,0	REI60	•
MW/25/Twarda	mineral wool	A1	Twarda KP	DEFH1IR	2x12,5	1,0	gypsum putty	-	C4/23	3,0	2,0	27,0	REI60	•

Fire classification no. LB0-086-KZ/21.
 Fire resistance class (a → b) - fire resistance with fire exposition from the top side.
 The weight of encasement does not include the weight of the base layer (LECA/Styrofoam/mineral wool/polyurethane foam).
 The Nida Padkag diversed extreme must not be utilized in water layer (more extension kitchess public batchess residences).

The Nida Podroga dry screed system must not be utilised in wet areas (mass catering kitchens, public bathnouses, laundries, etc.).

CONSUMPTION OF MATERIALS PER 1 M² OF NIDA PODŁOGA DRY SCREED SYSTEM									
	Unit	Nida Podłoga encasement type							
Name of material		MW/25/Twarda	MW/25/Twarda						
		Consumption per 1m ²							
Nida Twarda KP plasterboard	m^2	2,0	2,0						
Nida 5.0x35 mm board-board screws	pcs.	20,0	-						
Galvanised steel staples C4/23	pcs.	-	20,0						
Nida Max gypsum putty (connecting layer) 5)	kg	3,0	3,0						
Nida Max gypsum putty (filling joints) 5)	kg	as needed	as needed						
Base layer – mineral wool ⁶⁾	m^2	1,0	1,0						
Peripheral insulation strip of mineral wool	m	as needed	as needed						





⁵⁾ Alternatively, apply the Nida Fire gypsum putty, or Nida Fix gypsum adhesive.
6) Mineral wool boards of rock fibres; density min.100 kg/m³.
The standards of consumption do not account for any loss of material.

Dry screed system Nida Podłoga

The Nida Podłoga dry screed system was developed for applications with any floor type, both new, and those to be renovated. The system's wide range of applications, its relatively low weight and quick and dry installation mean that it is the

perfect solution for old and damaged floors, especially those with compromised structures. Apart from the aforementioned advantages, the dry screed constructed according to the technology developed by Siniat provides the REI60 fire resistance

class for fire exposition from the top side, which is achieved on the condition that two layers of the Nida Twarda KP DEFH1IR type plaster-particle boards with fibres are applied.

Marking of dry screed systems

In order to facilitate reading and identification of the individual system solutions, we are providing an example of our marking with a detailed description of its individual components.

Nida Podłoga LWA / 25 / Twarda

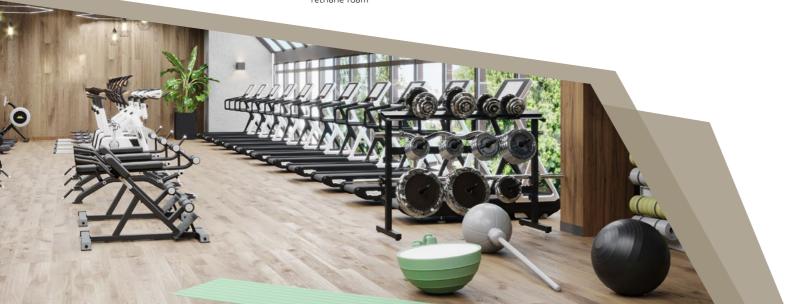
Name of Nida system

Levelling material type:
• LWA – bedding,

- e.g. LECA
- S Styrofoam
- MW mineral
- PUF polyu-

Overall thickness of sheathing [mm]: • 25 = 2x12,5

Type of Nida sheathing: • Nida Twarda KP



STRUCTURES OF FLOORS FOR VARIOUS APPLICATIONS AND WORKING LOADS

The floor structures for various applications and working loads were selected following the requirements of the Standard PN-EN 1991-1-1 (Eurocode 1: Actions on structures - Part 1-1: General actions - Densities, self-weight, imposed loads for buildings).

		Working load acc.	to PN-EN 1991-1-1	Applicable b	ase layer	
Category	Application	Surface load	Concentrated load	Dry levelling compound	Styrofoam	
		kN/m²	kN	Thickness [mm]		
A	Living areas, such as rooms in residential buildings, bedrooms and walting rooms in hospitals, hotel bedrooms, kitchens and toilets.	1,5 - 2,0	2,0 - 3,0	20 - 100	20	
В	Office areas	2,0 - 3,0	1,5 - 4,5	20	-	
C 1	Areas with tables etc. (schools, cafeterias, restaurants, canteens, reading rooms, receptions, waiting rooms, etc.)	2,0 - 3,0	3,0 - 4,0	20	-	
C2	Areas with fixed seating (churches, theatres, or cinemas, conference halls, lecture halls, assembly halls, railway station waiting rooms)	3,0 - 4,0	2,5 - 7,0	20		
C3	Areas without obstacles impairing movements of people (museums, exhibition halls), freely accessible areas in public service buildings, hotels, hospitals, railway ramps	3,0 - 5,0	4,0 - 7,0	20		
D1	Areas in retail stores	4,0 - 5,0	3,5 - 7,0	20	-	















Nida systems search engine

www.systemynida.pl







