

## inclined roof encasements

Nida plasterboards are a perfect solution for constructing drywall structures under pitched roofs, which can serve as fire protection elements. Such roofs belong to the key load-bearing elements of buildings, which, owing to the characteristics of the material they are constructed of, which is timber, are susceptible to combustion and spread of fire.

Apart from protection against fire, utilisation of finishing materials such as Nida plasterboards provides aesthetic covering of the wooden structure of a pitched roof, and

enables installation of insulation material in the spaces between rafters.

If there are any protection requirements concerning pitched roofs for commercial buildings, it is necessary to utilise Nida Ogień Plus type DF fire protection boards, which, owing to their specialised structure and composition, provide fire protection up to class REI60. Such encasements require application of all the system components, such as the system steel frame, installation accessories, and joint fillers.

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Page	Nida Dach system name	Plasterboard sheathing			Insulation material		Heat transfer coefficient <sup>1)</sup> U [W/m <sup>2</sup> xK]	Min. suspension height [mm]	Weight of 1m <sup>2</sup> of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Thickness [mm]	Density [kg/m <sup>3</sup> ]					
<b>THE INCLINED ROOF ENCASUREMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE PARALLEL ARRANGEMENT AND THE NIDA WP60 LOFT HANGERS</b>											
967	WP/CD60/12,5/Expert	Expert	12,5	A	150	10	0,22	43	11,0	-	-
967	WP/CD60/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	150	10	0,22	43	11,0	-	-
967	WP/CD60/12,5/Ogień+	Ogień Plus	12,5	DF	150	10	0,22	43	13,0	REI15	-
967	WP/CD60/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	150	10	0,22	43	13,0	REI15	-
967	WP/CD60/12,5/Twarda	Twarda	12,5	DEFH1IR	150	10	0,22	43	15,0	REI15	●
967	WP/CD60/12,5/Hydro	Hydro	12,5	GMFH1I	150	10	0,22	43	13,0	REI15	●
967	WP/CD60/15/Ogień+	Ogień Plus	15,0	DF	150	10	0,22	46	16,0	REI30	-
967	WP/CD60/15/Twarda	Twarda	15,0	DEFH1IR	150	10	0,22	46	18,0	REI30	●
967	WP/CD60/15/Hydro	Hydro	15,0	GMFH1I	150	10	0,22	46	16,0	REI30	●
969	WP/CD60/25/Expert	Expert	2x12,5	A	150	10	0,22	56	19,0	-	-
969	WP/CD60/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	150	10	0,22	56	20,0	-	-
969	WP/CD60/25/Ogień+	Ogień Plus	2x12,5	DF	150	10	0,22	56	23,0	REI45	-
969	WP/CD60/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	150	10	0,22	56	23,0	REI45	-
969	WP/CD60/25/Twarda	Twarda	2x12,5	DEFH1IR	150	10	0,22	56	28,0	REI45	●
969	WP/CD60/25/Hydro	Hydro	2x12,5	GMFH1I	150	10	0,22	56	24,0	REI45	●
969	WP/CD60/30/Ogień+	Ogień Plus	2x15,0	DF	150	10	0,22	61	30,0	REI60	-
969	WP/CD60/30/Twarda	Twarda	2x15,0	DEFH1IR	150	10	0,22	61	34,0	REI60	●
969	WP/CD60/30/Hydro	Hydro	2x15,0	GMFH1I	150	10	0,22	61	30,0	REI60	●
971	WP/CD60/37,5/Ogień+	Ogień Plus	3x12,5	DF	150	10	0,22	69	33,0	REI60	-
971	WP/CD60/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	150	10	0,22	69	33,0	REI60	-
971	WP/CD60/37,5/Twarda	Twarda	3x12,5	DEFH1IR	150	10	0,22	69	42,0	REI60	●
971	WP/CD60/37,5/Hydro	Hydro	3x12,5	GMFH1I	150	10	0,22	69	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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.)



Page	Nida Dach system name	Plasterboard sheathing			Insulation material		Heat transfer coefficient <sup>1)</sup> U [W/m <sup>2</sup> xK]	Min. suspension height [mm]	Weight of 1m <sup>2</sup> of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Thickness [mm]	Density [kg/m <sup>3</sup> ]					
<b>THE INCLINED ROOF ENCASUREMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE PARALLEL ARRANGEMENT AND THE NIDA ES60 FIXING ELEMENTS</b>											
973	ES/CD60/12,5/Expert	Expert	12,5	A	150	10	0,22	43	11,0	-	-
973	ES/CD60/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	150	10	0,22	43	11,0	-	-
973	ES/CD60/12,5/Ogień+	Ogień Plus	12,5	DF	150	10	0,22	43	13,0	REI15	-
973	ES/CD60/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	150	10	0,22	43	13,0	REI15	-
973	ES/CD60/12,5/Twarda	Twarda	12,5	DEFH1IR	150	10	0,22	43	15,0	REI15	●
973	ES/CD60/12,5/Hydro	Hydro	12,5	GMFH1I	150	10	0,22	43	13,0	REI15	●
973	ES/CD60/15/Ogień+	Ogień Plus	15,0	DF	150	10	0,22	46	16,0	REI30	-
973	ES/CD60/15/Twarda	Twarda	15,0	DEFH1IR	150	10	0,22	46	18,0	REI30	●
973	ES/CD60/15/Hydro	Hydro	15,0	GMFH1I	150	10	0,22	46	16,0	REI30	●
975	ES/CD60/25/Expert	Expert	2x12,5	A	150	10	0,22	56	19,0	-	-
975	ES/CD60/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	150	10	0,22	56	20,0	-	-
975	ES/CD60/25/Ogień+	Ogień Plus	2x12,5	DF	150	10	0,22	56	23,0	REI45	-
975	ES/CD60/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	150	10	0,22	56	23,0	REI45	-
975	ES/CD60/25/Twarda	Twarda	2x12,5	DEFH1IR	150	10	0,22	56	28,0	REI45	●
975	ES/CD60/25/Hydro	Hydro	2x12,5	GMFH1I	150	10	0,22	56	24,0	REI45	●
975	ES/CD60/30/Ogień+	Ogień Plus	2x15,0	DF	150	10	0,22	61	30,0	REI60	-
975	ES/CD60/30/Twarda	Twarda	2x15,0	DEFH1IR	150	10	0,22	61	34,0	REI60	●
975	ES/CD60/30/Hydro	Hydro	2x15,0	GMFH1I	150	10	0,22	61	30,0	REI60	●
975	ES/CD60/37,5/Ogień+	Ogień Plus	3x12,5	DF	150	10	0,22	69	33,0	REI60	-
975	ES/CD60/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	150	10	0,22	69	33,0	REI60	-
975	ES/CD60/37,5/Twarda	Twarda	3x12,5	DEFH1IR	150	10	0,22	69	42,0	REI60	●
975	ES/CD60/37,5/Hydro	Hydro	3x12,5	GMFH1I	150	10	0,22	69	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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.)



Page	Nida Dach system name	Plasterboard sheathing			Insulation material		Heat transfer coefficient <sup>1)U</sup> [W/m <sup>2</sup> ·K]	Min. suspension height [mm]	Weight of 1m <sup>2</sup> of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Thickness [mm]	Density [kg/m <sup>3</sup> ]					
<b>THE INCLINED ROOF ENCASUREMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE PARALLEL ARRANGEMENT AND THE NIDA EL60 FLEXIBLE FIXING ELEMENTS</b>											
977	EL/CD60/12,5/Expert	Expert	12,5	A	150	10	0,22	43	11,0	-	-
977	EL/CD60/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	150	10	0,22	43	11,0	-	-
977	EL/CD60/12,5/Ogień+	Ogień Plus	12,5	DF	150	10	0,22	43	13,0	REI15	-
977	EL/CD60/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	150	10	0,22	43	13,0	REI15	-
977	EL/CD60/12,5/Twarda	Twarda	12,5	DEFH1IR	150	10	0,22	43	15,0	REI15	●
977	EL/CD60/12,5/Hydro	Hydro	12,5	GMFH1I	150	10	0,22	43	13,0	REI15	●
977	EL/CD60/15/Ogień+	Ogień Plus	15,0	DF	150	10	0,22	46	16,0	REI30	-
977	EL/CD60/15/Twarda	Twarda	15,0	DEFH1IR	150	10	0,22	46	18,0	REI30	●
977	EL/CD60/15/Hydro	Hydro	15,0	GMFH1I	150	10	0,22	46	16,0	REI30	●
979	EL/CD60/25/Expert	Expert	2x12,5	A	150	10	0,22	56	19,0	-	-
979	EL/CD60/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	150	10	0,22	56	20,0	-	-
979	EL/CD60/25/Ogień+	Ogień Plus	2x12,5	DF	150	10	0,22	56	23,0	REI45	-
979	EL/CD60/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	150	10	0,22	56	23,0	REI45	-
979	EL/CD60/25/Twarda	Twarda	2x12,5	DEFH1IR	150	10	0,22	56	28,0	REI45	●
979	EL/CD60/25/Hydro	Hydro	2x12,5	GMFH1I	150	10	0,22	56	24,0	REI45	●
979	EL/CD60/30/Ogień+	Ogień Plus	2x15,0	DF	150	10	0,22	61	30,0	REI60	-
979	EL/CD60/30/Twarda	Twarda	2x15,0	DEFH1IR	150	10	0,22	61	34,0	REI60	●
979	EL/CD60/30/Hydro	Hydro	2x15,0	GMFH1I	150	10	0,22	61	30,0	REI60	●
979	EL/CD60/37,5/Ogień+	Ogień Plus	3x12,5	DF	150	10	0,22	69	33,0	REI60	-
979	EL/CD60/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	150	10	0,22	69	33,0	REI60	-
979	EL/CD60/37,5/Twarda	Twarda	3x12,5	DEFH1IR	150	10	0,22	69	42,0	REI60	●
979	EL/CD60/37,5/Hydro	Hydro	3x12,5	GMFH1I	150	10	0,22	69	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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.)



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		Nida	Thickness [mm]	Marking acc. to standard	Thickness [mm]	Density [kg/m <sup>3</sup> ]					
<b>THE INCLINED ROOF ENCASUREMENT SYSTEM ON THE NIDA PK48 TOP-HAT PROFILES IN THE PARALLEL ARRANGEMENT (DIRECT ANCHORING)</b>											
981	PK/12,5/Expert	Expert	12,5	A	150	10	0,22	28	11,0	-	-
981	PK/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	150	10	0,22	28	11,0	-	-
981	PK/12,5/Ogień+	Ogień Plus	12,5	DF	150	10	0,22	28	13,0	REI15	-
981	PK/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	150	10	0,22	28	13,0	REI15	-
981	PK/12,5/Twarda	Twarda	12,5	DEFH1IR	150	10	0,22	28	15,0	REI15	●
981	PK/12,5/Hydro	Hydro	12,5	GMFH1I	150	10	0,22	28	13,0	REI15	●
981	PK/15/Ogień+	Ogień Plus	15,0	DF	150	10	0,22	30	16,0	REI30	-
981	PK/15/Twarda	Twarda	15,0	DEFH1IR	150	10	0,22	30	18,0	REI30	●
981	PK/15/Hydro	Hydro	15,0	GMFH1I	150	10	0,22	30	16,0	REI30	●
983	PK/25/Expert	Expert	2x12,5	A	150	10	0,22	40	19,0	-	-
983	PK/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	150	10	0,22	40	20,0	-	-
983	PK/25/Ogień+	Ogień Plus	2x12,5	DF	150	10	0,22	40	23,0	REI45	-
983	PK/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	150	10	0,22	40	23,0	REI45	-
983	PK/25/Twarda	Twarda	2x12,5	DEFH1IR	150	10	0,22	40	28,0	REI45	●
983	PK/25/Hydro	Hydro	2x12,5	GMFH1I	150	10	0,22	40	24,0	REI45	●
983	PK/30/Ogień+	Ogień Plus	2x15,0	DF	150	10	0,22	45	30,0	REI60	-
983	PK/30/Twarda	Twarda	2x15,0	DEFH1IR	150	10	0,22	45	34,0	REI60	●
983	PK/30/Hydro	Hydro	2x15,0	GMFH1I	150	10	0,22	45	30,0	REI60	●
983	PK/37,5/Ogień+	Ogień Plus	3x12,5	DF	150	10	0,22	53	33,0	REI60	-
983	PK/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	150	10	0,22	53	33,0	REI60	-
983	PK/37,5/Twarda	Twarda	3x12,5	DEFH1IR	150	10	0,22	53	42,0	REI60	●
983	PK/37,5/Hydro	Hydro	3x12,5	GMFH1I	150	10	0,22	53	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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.)



Page	Nida Dach system name	Plasterboard sheathing			Insulation material		Heat transfer coefficient <sup>1)</sup> U [W/m <sup>2</sup> ·K]	Min. suspension height [mm]	Weight of 1m <sup>2</sup> of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Thickness [mm]	Density [kg/m <sup>3</sup> ]					
<b>THE INCLINED ROOF ENCASEMENT SYSTEM ON TIMBER BATTENS IN THE PARALLEL ARRANGEMENT (DIRECT ANCHORING)</b>											
985	LD/12,5/Expert	Expert	12,5	A	150	10	0,22	38	11,0	-	-
985	LD/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	150	10	0,22	38	11,0	-	-
985	LD/12,5/Ogień+	Ogień Plus	12,5	DF	150	10	0,22	38	13,0	REI15	-
985	LD/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	150	10	0,22	38	13,0	REI15	-
985	LD/12,5/Twarda	Twarda	12,5	DEFH1IR	150	10	0,22	38	15,0	REI15	●
985	LD/12,5/Hydro	Hydro	12,5	GMFH1I	150	10	0,22	38	13,0	REI15	●
985	LD/15/Ogień+	Ogień Plus	15,0	DF	150	10	0,22	40	16,0	REI30	-
985	LD/15/Twarda	Twarda	15,0	DEFH1IR	150	10	0,22	40	18,0	REI30	●
985	LD/15/Hydro	Hydro	15,0	GMFH1I	150	10	0,22	40	16,0	REI30	●
987	LD/25/Expert	Expert	2x12,5	A	150	10	0,22	50	19,0	-	-
987	LD/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	150	10	0,22	50	20,0	-	-
987	LD/25/Ogień+	Ogień Plus	2x12,5	DF	150	10	0,22	50	23,0	REI45	-
987	LD/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	150	10	0,22	50	23,0	REI45	-
987	LD/25/Twarda	Twarda	2x12,5	DEFH1IR	150	10	0,22	50	28,0	REI45	●
987	LD/25/Hydro	Hydro	2x12,5	GMFH1I	150	10	0,22	50	24,0	REI45	●
987	LD/30/Ogień+	Ogień Plus	2x15,0	DF	150	10	0,22	55	30,0	REI60	-
987	LD/30/Twarda	Twarda	2x15,0	DEFH1IR	150	10	0,22	55	34,0	REI60	●
987	LD/30/Hydro	Hydro	2x15,0	GMFH1I	150	10	0,22	55	30,0	REI60	●
987	LD/37,5/Ogień+	Ogień Plus	3x12,5	DF	150	10	0,22	63	33,0	REI60	-
987	LD/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	150	10	0,22	63	33,0	REI60	-
987	LD/37,5/Twarda	Twarda	3x12,5	DEFH1IR	150	10	0,22	63	42,0	REI60	●
987	LD/37,5/Hydro	Hydro	3x12,5	GMFH1I	150	10	0,22	63	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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.)



Page	Nida Dach system name	Plasterboard sheathing			Insulation material		Heat transfer coefficient <sup>1)</sup> U [W/m <sup>2</sup> ·K]	Min. suspension height [mm]	Weight of 1m <sup>2</sup> of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Thickness [mm]	Density [kg/m <sup>3</sup> ]					
<b>THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE CROSS ARRANGEMENT AND WITH THE NIDA ES60 FIXING ELEMENTS</b>											
989	ES/DK/CD60/12,5/Expert	Expert	12,5	A	150	10	0,22	73	11,0	-	-
989	ES/DK/CD60/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	150	10	0,22	73	12,0	-	-
989	ES/DK/CD60/12,5/Ogień+	Ogień Plus	12,5	DF	150	10	0,22	73	13,0	REI15	-
989	ES/DK/CD60/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	150	10	0,22	73	13,0	REI15	-
989	ES/DK/CD60/12,5/Twarda	Twarda	12,5	DEFH1IR	150	10	0,22	73	16,0	REI15	●
989	ES/DK/CD60/12,5/Hydro	Hydro	12,5	GMFH1I	150	10	0,22	73	14,0	REI15	●
989	ES/DK/CD60/15/Ogień+	Ogień Plus	15,0	DF	150	10	0,22	75	17,0	REI30	-
989	ES/DK/CD60/15/Twarda	Twarda	15,0	DEFH1IR	150	10	0,22	75	19,0	REI30	●
989	ES/DK/CD60/15/Hydro	Hydro	15,0	GMFH1I	150	10	0,22	75	17,0	REI30	●
991	ES/DK/CD60/25/Expert	Expert	2x12,5	A	150	10	0,22	85	20,0	-	-
991	ES/DK/CD60/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	150	10	0,22	85	21,0	-	-
991	ES/DK/CD60/25/Ogień+	Ogień Plus	2x12,5	DF	150	10	0,22	85	24,0	REI45	-
991	ES/DK/CD60/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	150	10	0,22	85	24,0	REI45	-
991	ES/DK/CD60/25/Twarda	Twarda	2x12,5	DEFH1IR	150	10	0,22	85	29,0	REI45	●
991	ES/DK/CD60/25/Hydro	Hydro	2x12,5	GMFH1I	150	10	0,22	85	25,0	REI45	●
991	ES/DK/CD60/30/Ogień+	Ogień Plus	2x15,0	DF	150	10	0,22	90	31,0	REI60	-
991	ES/DK/CD60/30/Twarda	Twarda	2x15,0	DEFH1IR	150	10	0,22	90	34,0	REI60	●
991	ES/DK/CD60/30/Hydro	Hydro	2x15,0	GMFH1I	150	10	0,22	90	31,0	REI60	●
991	ES/DK/CD60/37,5/Ogień+	Ogień Plus	3x12,5	DF	150	10	0,22	98	34,0	REI60	-
991	ES/DK/CD60/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	150	10	0,22	98	34,0	REI60	-
991	ES/DK/CD60/37,5/Twarda	Twarda	3x12,5	DEFH1IR	150	10	0,22	98	42,0	REI60	●
991	ES/DK/CD60/37,5/Hydro	Hydro	3x12,5	GMFH1I	150	10	0,22	98	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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.)



Page	Nida Dach system name	Plasterboard sheathing			Insulation material		Heat transfer coefficient <sup>1) U</sup> [W/m²·K]	Min. suspension height [mm]	Weight of 1m² of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Thickness [mm]	Density [kg/m³]					
THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE CROSS ARRANGEMENT AND WITH THE NIDA EL60 FLEXIBLE FIXING ELEMENTS											
993	EL/DK/CD60/12,5/Expert	Expert	12,5	A	150	10	0,22	73	11.0	-	-
993	EL/DK/CD60/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	150	10	0,22	73	12.0	-	-
993	EL/DK/CD60/12,5/Ogień+	Ogień Plus	12,5	DF	150	10	0,22	73	13.0	REI15	-
993	EL/DK/CD60/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	150	10	0,22	73	13.0	REI15	-
993	EL/DK/CD60/12,5/Twarda	Twarda	12,5	DEFH1IR	150	10	0,22	73	16.0	REI15	●
993	EL/DK/CD60/12,5/Hydro	Hydro	12,5	GMFH1I	150	10	0,22	73	14.0	REI15	●
993	EL/DK/CD60/15/Ogień+	Ogień Plus	15,0	DF	150	10	0,22	75	17.0	REI30	-
993	EL/DK/CD60/15/Twarda	Twarda	15,0	DEFH1IR	150	10	0,22	75	19.0	REI30	●
993	EL/DK/CD60/15/Hydro	Hydro	15,0	GMFH1I	150	10	0,22	75	17.0	REI30	●
995	EL/DK/CD60/25/Expert	Expert	2x12,5	A	150	10	0,22	85	20.0	-	-
995	EL/DK/CD60/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	150	10	0,22	85	21.0	-	-
995	EL/DK/CD60/25/Ogień+	Ogień Plus	2x12,5	DF	150	10	0,22	85	24.0	REI45	-
995	EL/DK/CD60/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	150	10	0,22	85	24.0	REI45	-
995	EL/DK/CD60/25/Twarda	Twarda	2x12,5	DEFH1IR	150	10	0,22	85	29.0	REI45	●
995	EL/DK/CD60/25/Hydro	Hydro	2x12,5	GMFH1I	150	10	0,22	85	25.0	REI45	●
995	EL/DK/CD60/30/Ogień+	Ogień Plus	2x15,0	DF	150	10	0,22	90	31.0	REI60	-
995	EL/DK/CD60/30/Twarda	Twarda	2x15,0	DEFH1IR	150	10	0,22	90	34.0	REI60	●
995	EL/DK/CD60/30/Hydro	Hydro	2x15,0	GMFH1I	150	10	0,22	90	31.0	REI60	●
995	EL/DK/CD60/37,5/Ogień+	Ogień Plus	3x12,5	DF	150	10	0,22	98	34.0	REI60	-
995	EL/DK/CD60/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	150	10	0,22	98	34.0	REI60	-
995	EL/DK/CD60/37,5/Twarda	Twarda	3x12,5	DEFH1IR	150	10	0,22	98	42.0	REI60	●
995	EL/DK/CD60/37,5/Hydro	Hydro	3x12,5	GMFH1I	150	10	0,22	98	36.0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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.)



Page	Nida Dach system name	Plasterboard sheathing			Insulation material		Heat transfer coefficient <sup>1) U</sup> [W/m²·K]	Min. suspension height [mm]	Weight of 1m² of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
		Nida	Thickness [mm]	Marking acc. to standard	Thickness [mm]	Density [kg/m³]					
THE INCLINED ROOF ENCASEMENT SYSTEM ON THE MF PROFILES IN THE CROSS ARRANGEMENT AND WITH THE NIDA MFC 2330 ANGLE PROFILES											
997	DK/MFC/12,5/Expert	Expert	12,5	A	150	10	0,22	82,5	9.0	-	-
997	DK/MFC/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	150	10	0,22	82,5	10.0	-	-
997	DK/MFC/12,5/Ogień+	Ogień Plus	12,5	DF	150	10	0,22	82,5	11.0	REI15	-
997	DK/MFC/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	150	10	0,22	82,5	11.0	REI15	-
997	DK/MFC/12,5/Twarda	Twarda	12,5	DEFH1IR	150	10	0,22	82,5	13.0	REI15	●
997	DK/MFC/12,5/Hydro	Hydro	12,5	GMFH1I	150	10	0,22	82,5	12.0	REI15	●
997	DK/MFC/15/Ogień+	Ogień Plus	15,0	DF	150	10	0,22	85	15.0	REI30	-
997	DK/MFC/15/Twarda	Twarda	15,0	DEFH1IR	150	10	0,22	85	17.0	REI30	●
997	DK/MFC/15/Hydro	Hydro	15,0	GMFH1I	150	10	0,22	85	15.0	REI30	●
999	DK/MFC/25/Expert	Expert	2x12,5	A	150	10	0,22	95	18.0	-	-
999	DK/MFC/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	150	10	0,22	95	19.0	-	-
999	DK/MFC/25/Ogień+	Ogień Plus	2x12,5	DF	150	10	0,22	95	21.0	REI45	-
999	DK/MFC/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	150	10	0,22	95	21.0	REI45	-
999	DK/MFC/25/Twarda	Twarda	2x12,5	DEFH1IR	150	10	0,22	95	27.0	REI45	●
999	DK/MFC/25/Hydro	Hydro	2x12,5	GMFH1I	150	10	0,22	95	23.0	REI45	●
999	DK/MFC/30/Ogień+	Ogień Plus	2x15,0	DF	150	10	0,22	100	28.0	REI60	-
999	DK/MFC/30/Twarda	Twarda	2x15,0	DEFH1IR	150	10	0,22	100	32.0	REI60	●
999	DK/MFC/30/Hydro	Hydro	2x15,0	GMFH1I	150	10	0,22	100	28.0	REI60	●
999	DK/MFC/37,5/Ogień+	Ogień Plus	3x12,5	DF	150	10	0,22	107,5	32.0	REI60	-
999	DK/MFC/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	150	10	0,22	107,5	32.0	REI60	-
999	DK/MFC/37,5/Twarda	Twarda	3x12,5	DEFH1IR	150	10	0,22	107,5	40.0	REI60	●
999	DK/MFC/37,5/Hydro	Hydro	3x12,5	GMFH1I	150	10	0,22	107,5	34.0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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.)

nida Dach

Fire resistance class:  
REI15  
REI30

Heat transfer coefficient U:  
0,22 W/m<sup>2</sup>K

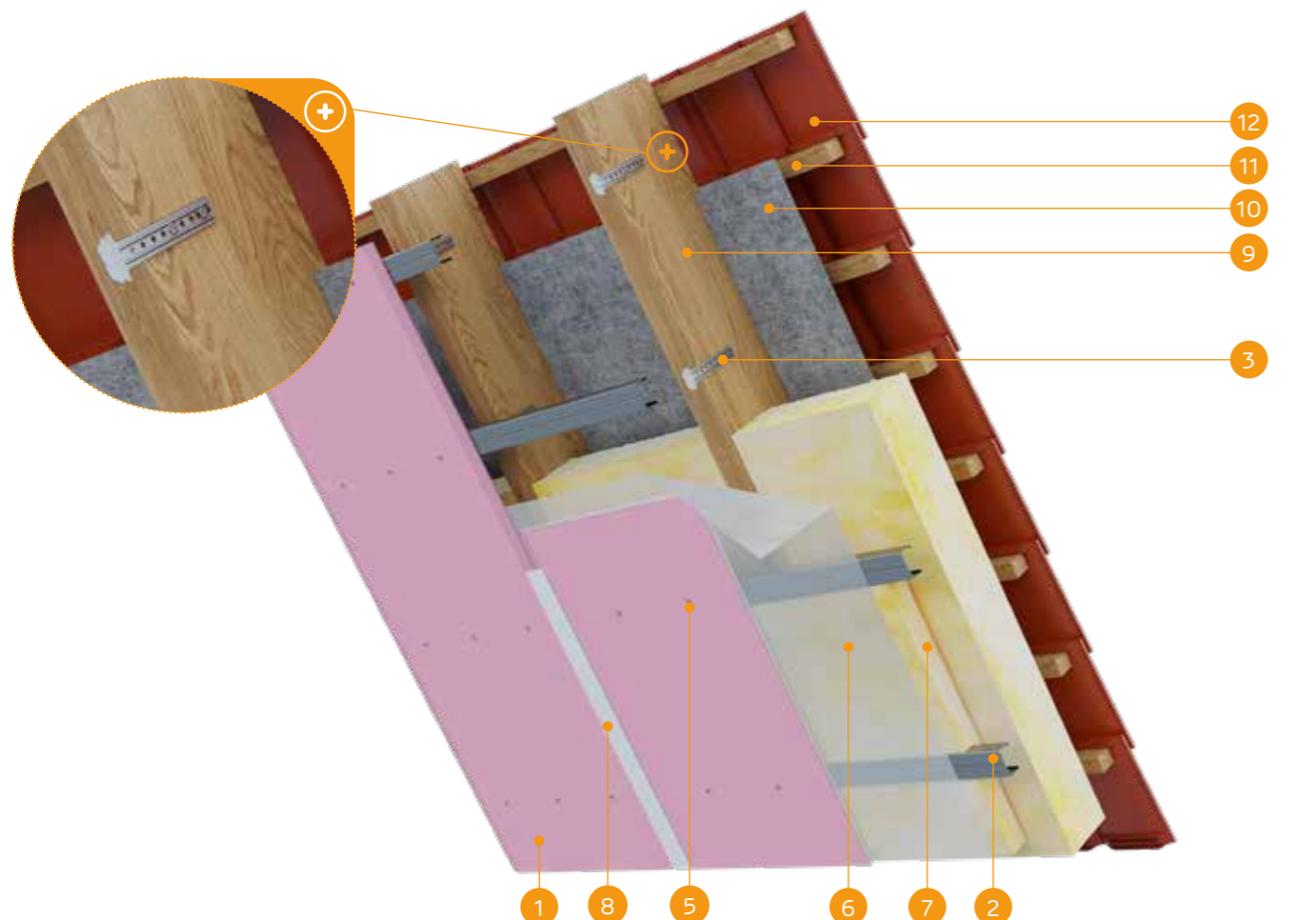
The minimal suspension height:  
43 mm

Weight of 1 m<sup>2</sup> of encasement:  
11,0-18,0 kg

Number of related document:  
PN-EN 1365-2:2014-12

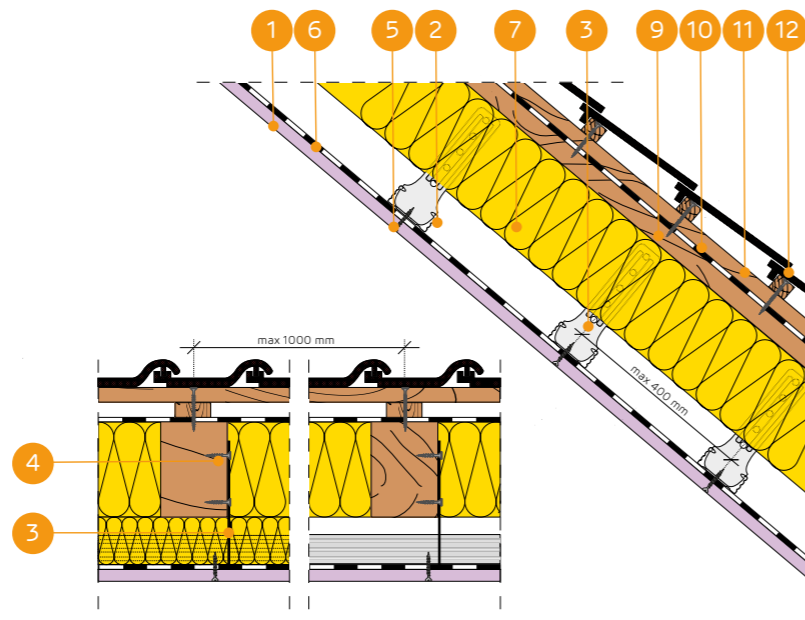
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
WP/CD60/12,5; WP/CD60/15



MATERIALS:

1. Nida plasterboard
2. Nida CD60 profile
3. Nida WP60 loft hanger
4. Nida 3.5x35 mm wood screws
5. Nida 3.5x25 mm sheet metal screws
6. Vapour barrier
7. Insulation material mineral wool
8. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
9. Roof truss structure
10. Vapour-open membrane
11. Timber structure for roofing (battens, counter-battens)
12. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE PARALLEL ARRANGEMENT AND THE NIDA WP60 LOFT HANGERS

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure		Insulation material			Heat transfer coefficient <sup>1)</sup> U [W/m <sup>2</sup> K]	Min. suspension height [mm]	Weight of 1m <sup>2</sup> of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Spacing of the Nida WP60 fasteners [mm]	Spacing of the Nida CD60 ceiling profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m <sup>3</sup> ]					
WP/CD60/12,5/Expert	Expert	12,5	A	1000	400	glass wool / rockwool	150	10	0,22	43	11,0	-	-
WP/CD60/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	1000	400	glass wool / rockwool	150	10	0,22	43	11,0	-	-
WP/CD60/12,5/Ogień+	Ogień Plus	12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	43	13,0	REI15	-
WP/CD60/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	43	13,0	REI15	-
WP/CD60/12,5/Twarda	Twarda	12,5	DEFH1R	1000	400	glass wool / rockwool	150	10	0,22	43	15,0	REI15	●
WP/CD60/12,5/Hydro	Hydro	12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	43	13,0	REI15	●
WP/CD60/15/Ogień+	Ogień Plus	15,0	DF	1000	400	glass wool / rockwool	150	10	0,22	46	16,0	REI30	-
WP/CD60/15/Twarda	Twarda	15,0	DEFH1R	1000	400	glass wool / rockwool	150	10	0,22	46	18,0	REI30	●
WP/CD60/15/Hydro	Hydro	15,0	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	46	16,0	REI30	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 1M<sup>2</sup> FOR THE INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida Dach						
		WP/CD60/12,5/Expert <sup>5)</sup>	WP/CD60/12,5/Ogień+ <sup>6)</sup>	WP/CD60/12,5/Twarda	WP/CD60/12,5/Hydro	WP/CD60/15/Ogień+	WP/CD60/15/Twarda	WP/CD60/15/Hydro
Consumption of material per 1m <sup>2</sup>								
Nida Expert 12.5 mm plasterboard	m <sup>2</sup>	1,0	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m <sup>2</sup>	-	1,0	-	-	-	-	-
Nida Twarda 12.5 mm plasterboard	m <sup>2</sup>	-	-	1,0	-	-	-	-
Nida Hydro 12.5 mm plasterboard	m <sup>2</sup>	-	-	-	1,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m <sup>2</sup>	-	-	-	-	1,0	-	-
Nida Twarda 15.0 mm plasterboard	m <sup>2</sup>	-	-	-	-	-	1,0	-
Nida Hydro 15.0 mm plasterboard	m <sup>2</sup>	-	-	-	-	-	-	1,0
Nida CD60 profile	lm	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Nida UD27 profile	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida WP60 loft hanger	pcs.	3,0	3,0	3,0	3,0	3,0	3,0	3,0
Nida LW60 lengthwise connector	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Expansion plug <sup>7)</sup>	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida 3.5x35 mm wood screws	pcs.	6,0	6,0	6,0	6,0	6,0	6,0	6,0
Nida 3.5x25 mm sheet metal screws	pcs.	18,0	18,0	-	-	18,0	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	-	18,0	-	-	18,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	18,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida Start gypsum putty	kg	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler <sup>8)</sup>	kg	-	-	0,4	0,4	-	0,4	0,4
Vapour barrier <sup>9)</sup>	m <sup>2</sup>	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>9)</sup>	m <sup>2</sup>	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>9)</sup>	m <sup>2</sup>	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.

<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.

<sup>7)</sup> The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.

<sup>8)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.

<sup>9)</sup> Application acc. to the requirements.

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

nida Dach

Fire resistance class:  
REI45  
REI60

Heat transfer coefficient U:  
0,22 W/m²K

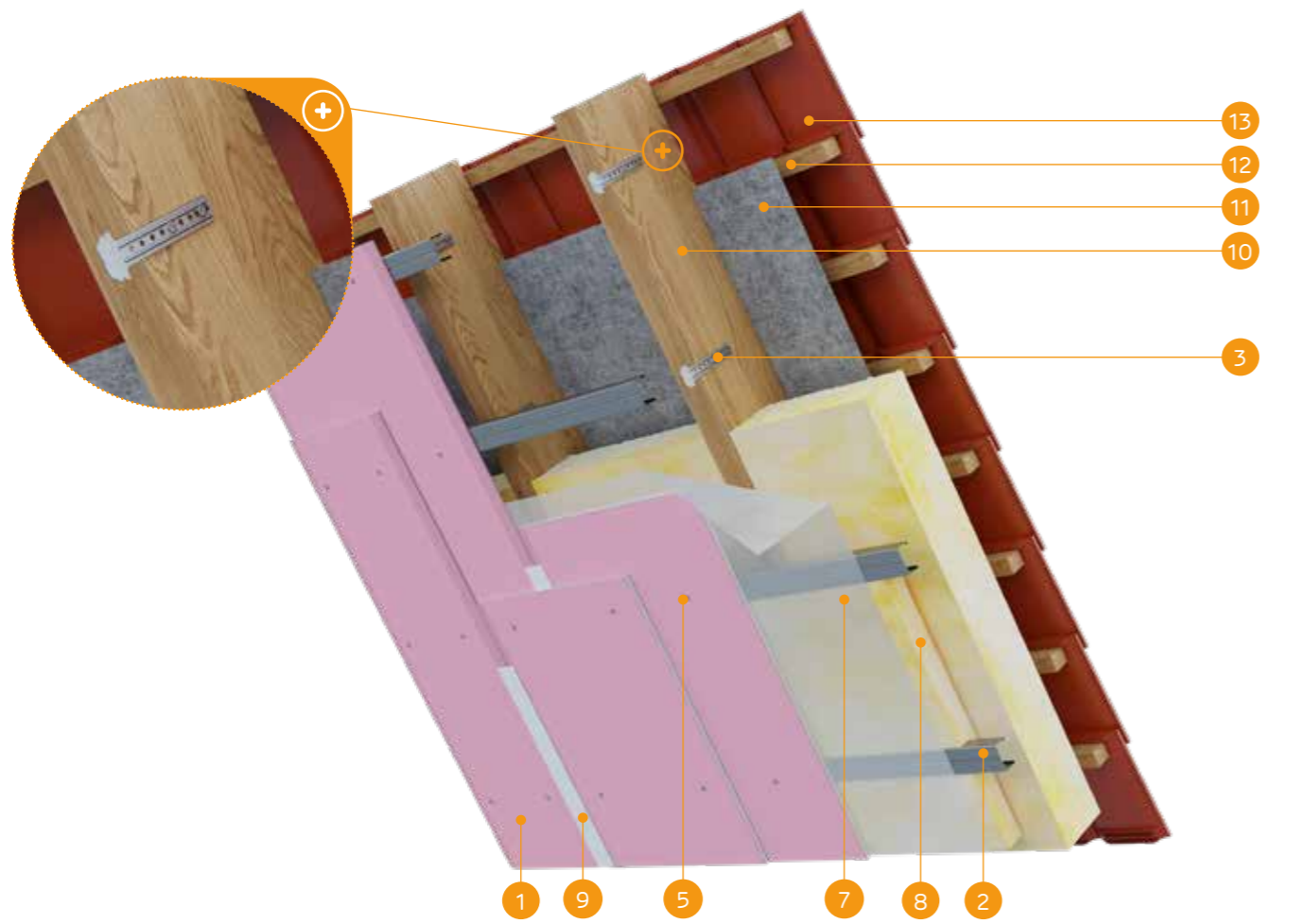
The minimal suspension height:  
56 mm

Weight of 1 m² of encasement:  
19,0-34,0 kg

Number of related document:  
PN-EN 1365-2:2014-12

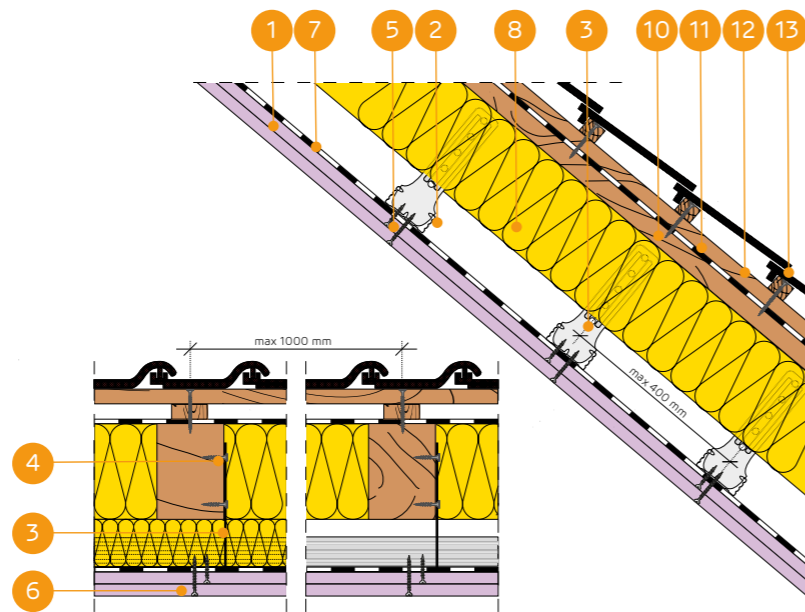
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
WP/CD60/25; WP/CD60/30



MATERIALS:

1. Nida plasterboard
2. Nida CD60 profile
3. Nida WP60 loft hanger
4. Nida 3.5x35 mm wood screws
5. Nida 3.5x25 mm sheet metal screws
6. Nida 3.5x35 mm sheet metal screws
7. Vapour barrier
8. Insulation material mineral wool
9. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
10. Roof truss structure
11. Vapour-open membrane
12. Timber structure for roofing (battens, counter-battens)
13. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE PARALLEL ARRANGEMENT AND THE NIDA WP60 LOFT HANGERS

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure		Insulation material			Heat transfer coefficient <sup>1)</sup> U [W/m²K]	Min. suspension height [mm]	Weight of 1m² of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Spacing of the Nida WP60 fasteners [mm]	Spacing of the Nida CD60 ceiling profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
WP/CD60/25/Expert	Expert	2x12,5	A	1000	400	glass wool / rockwool	150	10	0,22	56	19,0	-	-
WP/CD60/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	1000	400	glass wool / rockwool	150	10	0,22	56	20,0	-	-
WP/CD60/25/Ogień+	Ogień Plus	2x12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	56	23,0	REI45	-
WP/CD60/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	56	23,0	REI45	-
WP/CD60/25/Twarda	Twarda	2x12,5	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	56	28,0	REI45	●
WP/CD60/25/Hydro	Hydro	2x12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	56	24,0	REI45	●
WP/CD60/30/Ogień+	Ogień Plus	2x15	DF	1000	400	glass wool / rockwool	150	10	0,22	61	30,0	REI60	-
WP/CD60/30/Twarda	Twarda	2x15	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	61	34,0	REI60	●
WP/CD60/30/Hydro	Hydro	2x15	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	61	30,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida Dach						
		WP/CD60/25/Expert <sup>5)</sup>	WP/CD60/25/Ogień+ <sup>6)</sup>	WP/CD60/25/Twarda	WP/CD60/25/Hydro	WP/CD60/30/Ogień+	WP/CD60/30/Twarda	WP/CD60/30/Hydro
		Consumption of material per 1m²						
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m²	-	2,0	-	-	-	-	-
Nida Twarda 12.5 mm plasterboard	m²	-	-	2,0	-	-	-	-
Nida Hydro 12.5 mm plasterboard	m²	-	-	-	2,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	2,0	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	2,0
Nida CD60 profile	lm	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Nida UD27 profile	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida WP60 fixing element	pcs.	3,0	3,0	3,0	3,0	3,0	3,0	3,0
Nida LW60 lengthwise connector	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Expansion plug <sup>7)</sup>	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida 3.5x35 mm wood screws	pcs.	6,0	6,0	6,0	6,0	6,0	6,0	6,0
Nida 3.5x25 mm sheet metal screws	pcs.	6,0	6,0	-	-	6,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	18,0	18,0	-	-	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	18,0	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	-	6,0	-	-	6,0	-
FixDens 4.2 x 42 mm screws	pcs.	-	-	18,0	-	-	18,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	6,0	-	-	6,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	18,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
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 <sup>8)</sup>	kg	-	-	0,7	0,7	-	0,7	0,7
Vapour barrier <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>9)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.

<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.

<sup>7)</sup> The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.

<sup>8)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.

<sup>9)</sup> Application acc. to the requirements.

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

nida Dach



Fire resistance class:  
REI60



Heat transfer coefficient U:  
0,22 W/m<sup>2</sup>K



The minimal suspension height:  
69 mm



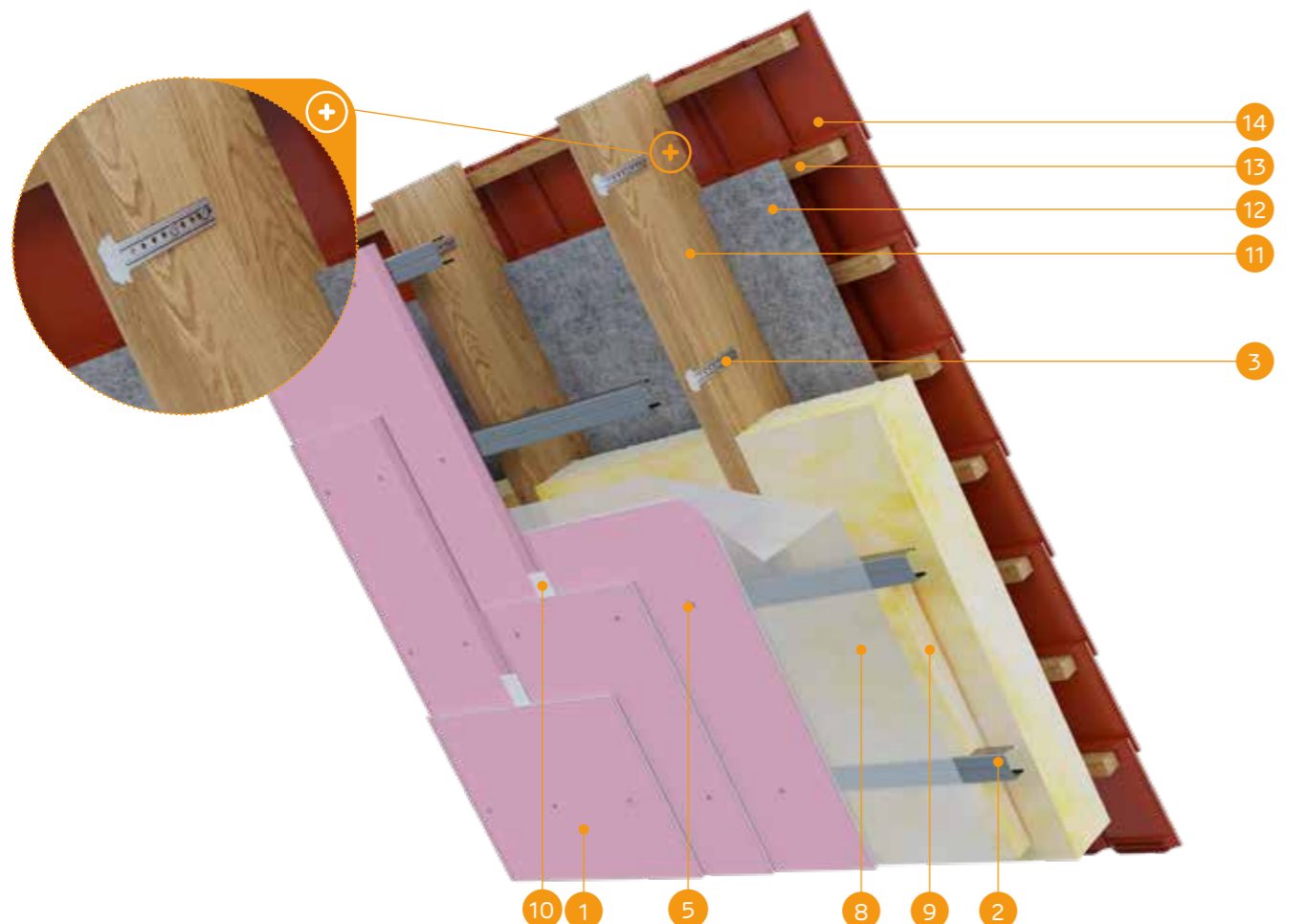
Weight of 1 m<sup>2</sup> of encasement:  
33,0-42,0 kg



Number of related document:  
PN-EN 1365-2:2014-12

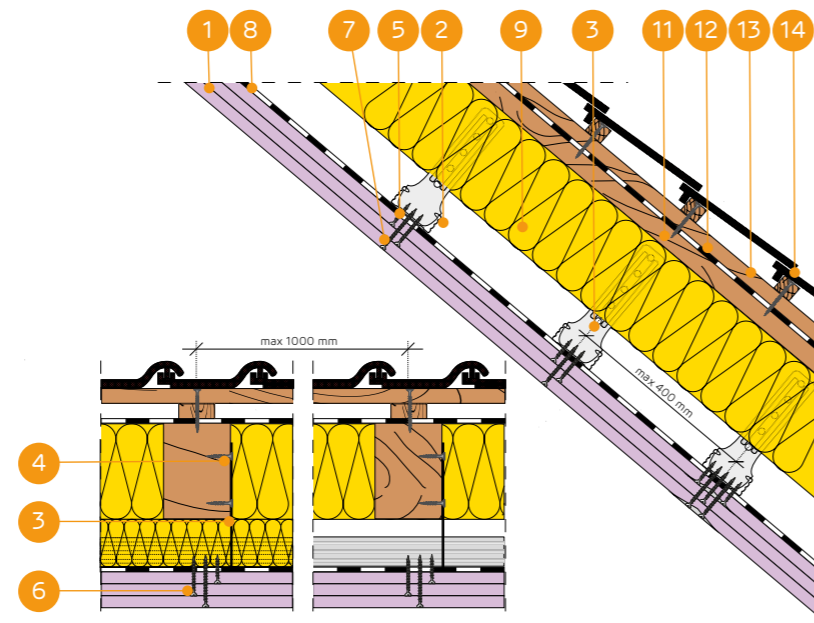
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
WP/CD60/37,5



MATERIALS:

1. Nida plasterboard
2. Nida CD60 profile
3. Nida WP60 loft hanger
4. Nida 3.5x35 mm wood screws
5. Nida 3.5x25 mm sheet metal screws
6. Nida 3.5x35 mm sheet metal screws
7. Nida 3.5x55 mm sheet metal screws
8. Vapour barrier
9. Insulation material mineral wool
10. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
11. Roof truss structure
12. Vapour-open membrane
13. Timber structure for roofing (battens, counter-battens)
14. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE PARALLEL ARRANGEMENT AND THE NIDA WP60 LOFT HANGERS

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure		Insulation material			Heat transfer coefficient <sup>1)</sup> U [W/m <sup>2</sup> K]	Min. suspension height [mm]	Weight of 1m <sup>2</sup> of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Spacing of the Nida WP60 fasteners [mm]	Spacing of the Nida CD60 ceiling profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m <sup>3</sup> ]					
WP/CD60/37,5/Ogień+	Ogień Plus	3x12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	69	33,0	REI60	
WP/CD60/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	69	33,0	REI60	
WP/CD60/37,5/Twarda	Twarda	3x12,5	DEFH1R	1000	400	glass wool / rockwool	150	10	0,22	69	42,0	REI60	●
WP/CD60/37,5/Hydro	Hydro	3x12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	69	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.  
<sup>2)</sup> The weight does not include the weight of the insulation material.  
<sup>3)</sup> Fire classification LBO-039-KZ/21.

CONSUMPTION OF MATERIALS PER 1M<sup>2</sup> FOR THE INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida Dach		
		WP/CD60/37,5/Ogień+ <sup>4)</sup>	WP/CD60/37,5/Twarda	WP/CD60/37,5/Hydro
		Consumption of material per 1m <sup>2</sup>		
Nida Ogień Plus 12.5 mm plasterboard	m <sup>2</sup>	3,0	-	-
Nida Twarda 12.5 mm plasterboard	m <sup>2</sup>	-	3,0	-
Nida Hydro 12.5 mm plasterboard	m <sup>2</sup>	-	-	3,0
Nida CD60 profile	lm	2,5	2,5	2,5
Nida UD27 profile	lm	0,6	0,6	0,6
Nida WP60 fixing element	pcs.	3,0	3,0	3,0
Nida LW60 lengthwise connector	pcs.	0,6	0,6	0,6
Expansion plug <sup>5)</sup>	pcs.	0,6	0,6	0,6
Nida 3.5x35 mm wood screws	pcs.	6,0	6,0	6,0
Nida 3.5x25 mm sheet metal screws	pcs.	6,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	6,0	-	-
Nida 3.5x55 mm sheet metal screws	pcs.	18,0	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	6,0	-
FixDens 4.2 x 42 mm screws	pcs.	-	6,0	-
FixDens 4.2 x 60 mm screws	pcs.	-	18,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	6,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	6,0
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	18,0
Nida reinforcement tape	lm	1,4	1,4	1,4
Nida Start gypsum putty	kg	0,9	-	-
Nida Finish gypsum putty	kg	0,1	-	-
Nida Hydromix ready-to-use joint filler <sup>6)</sup>	kg	-	1,0	1,0
Vapour barrier <sup>7)</sup>	m <sup>2</sup>	1,0	1,0	1,0
Mineral wool <sup>7)</sup>	m <sup>2</sup>	1,0	1,0	1,0
Vapour-open membrane <sup>7)</sup>	m <sup>2</sup>	1,1	1,1	1,1

<sup>4)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.  
<sup>5)</sup> The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.  
<sup>6)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.  
<sup>7)</sup> Application acc. to the requirements.  
 The standards concerning the amount of utilised material do not cover the loss of the material.



nida Dach



Fire resistance class:  
REI15  
REI30



Heat transfer coefficient U:  
0,22 W/m²K



The minimal suspension height:  
43 mm



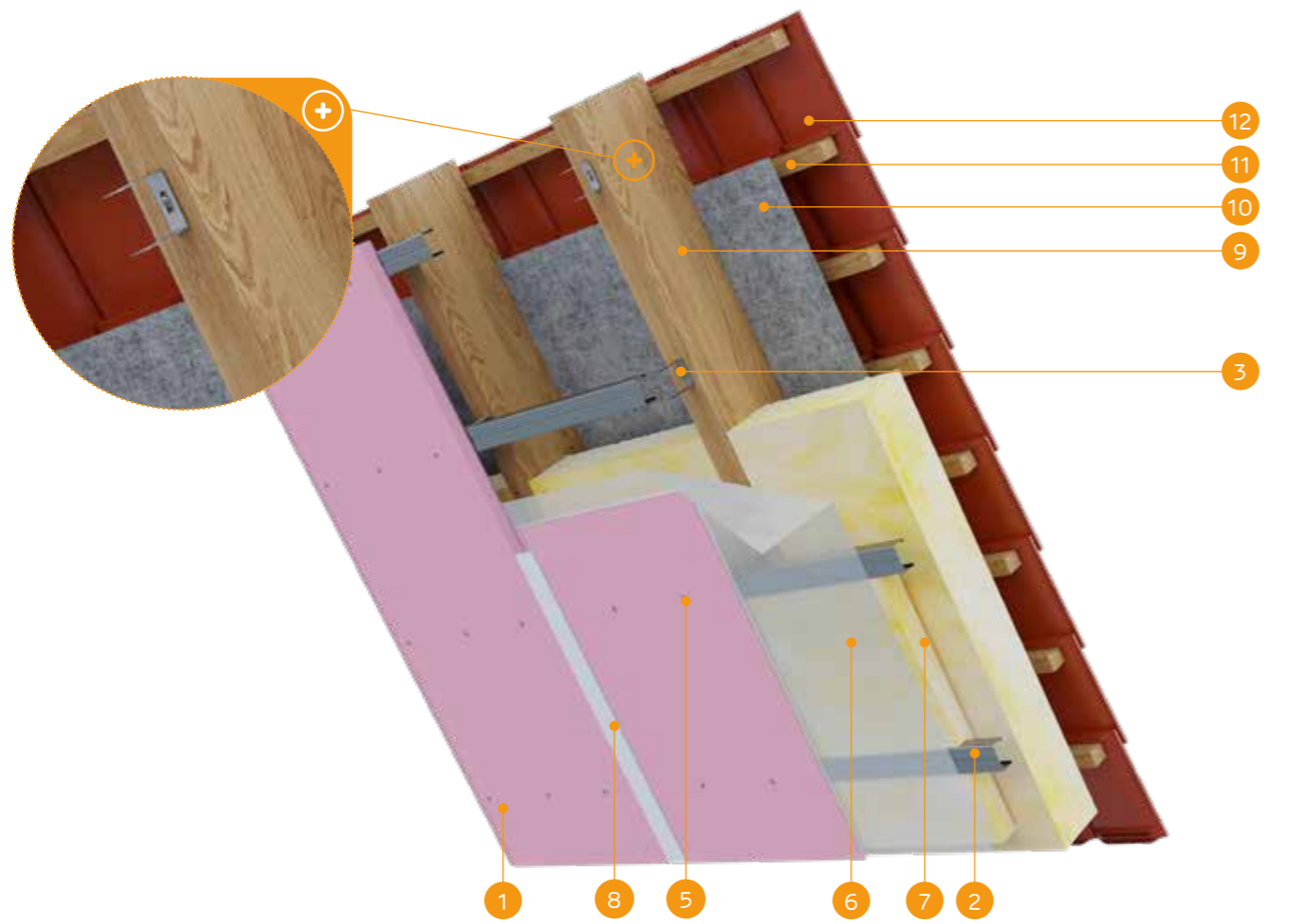
Weight of 1 m² of encasement:  
11,0-18,0 kg



Number of related document:  
PN-EN 1365-2:2014-12

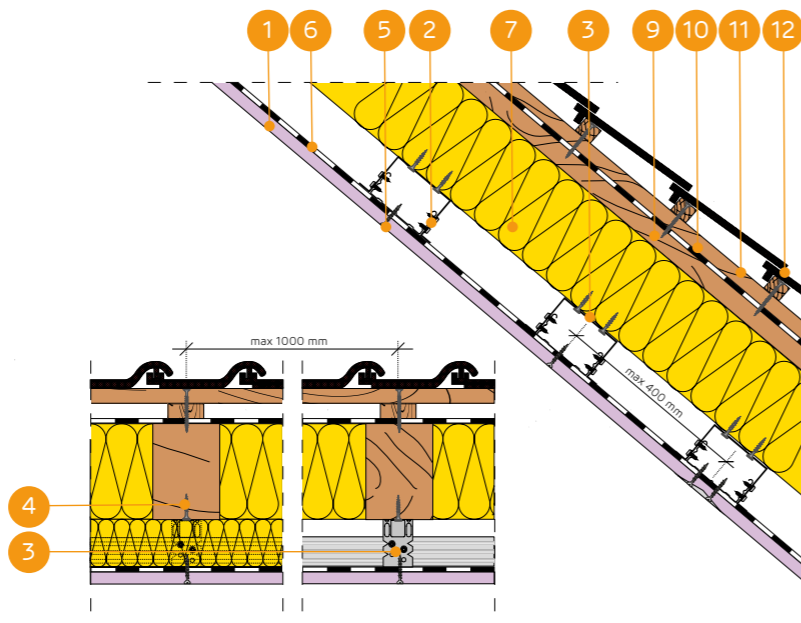
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
ES/CD60/12,5; ES/CD60/15



MATERIALS:

1. Nida plasterboard
2. Nida CD60 profile
3. Nida ES60 fixing element
4. Nida 3.5x35 mm wood screws
5. Nida sheet metal screws
6. Vapour barrier
7. Insulation material mineral wool
8. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
9. Roof truss structure
10. Vapour-open membrane
11. Timber structure for roofing (battens, counter-battens)
12. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE PARALLEL ARRANGEMENT AND THE NIDA ES60 FIXING ELEMENTS

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure		Insulation material			Heat transfer coefficient <sup>1)</sup> U	Min. suspension height	Weight of 1m² of encasement <sup>2)</sup>	Fire resistance class <sup>3)</sup>	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Spacing of the Nida ES60 fasteners [mm]	Spacing of the Nida CD60 ceiling profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
ES/CD60/12,5/Expert	Expert	12,5	A	1000	400	glass wool / rockwool	150	10	0,22	43	11,0	-	-
ES/CD60/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	1000	400	glass wool / rockwool	150	10	0,22	43	11,0	-	-
ES/CD60/12,5/Ogień+	Ogień Plus	12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	43	13,0	REI15	-
ES/CD60/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	43	13,0	REI15	-
ES/CD60/12,5/Twarda	Twarda	12,5	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	43	15,0	REI15	●
ES/CD60/12,5/Hydro	Hydro	12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	43	13,0	REI15	●
ES/CD60/15/Ogień+	Ogień Plus	15,0	DF	1000	400	glass wool / rockwool	150	10	0,22	46	16,0	REI30	-
ES/CD60/15/Twarda	Twarda	15,0	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	46	18,0	REI30	●
ES/CD60/15/Hydro	Hydro	15,0	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	46	16,0	REI30	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida						
		ES/CD60/12,5/Expert <sup>5)</sup>	ES/CD60/12,5/Ogień+ <sup>6)</sup>	ES/CD60/12,5/Twarda	ES/CD60/12,5/Hydro	ES/CD60/15/Ogień+	ES/CD60/15/Twarda	ES/CD60/15/Hydro
		Consumption of material per 1m²						
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-
Nida Ogień Plus 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 CD60 profile	lm	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Nida UD27 profile	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida ES60 fixing element	pcs.	3,0	3,0	3,0	3,0	3,0	3,0	3,0
Nida LW60 lengthwise connector	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Expansion plug <sup>7)</sup>	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida 3.5x35 mm wood screws	pcs.	6,0	6,0	6,0	6,0	6,0	6,0	6,0
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	18,0	18,0	-	-	18,0	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	-	18,0	-	-	18,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	18,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida Start gypsum putty	kg	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler <sup>8)</sup>	kg	-	-	0,4	0,4	-	0,4	0,4
Vapour barrier <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>9)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.

<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.

<sup>7)</sup> The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.

<sup>8)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.

<sup>9)</sup> Application acc. to the requirements.

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

nida Dach



Fire resistance class:  
REI45  
REI60



Heat transfer coefficient U:  
0,22 W/m²K



The minimal suspension height:  
56 mm



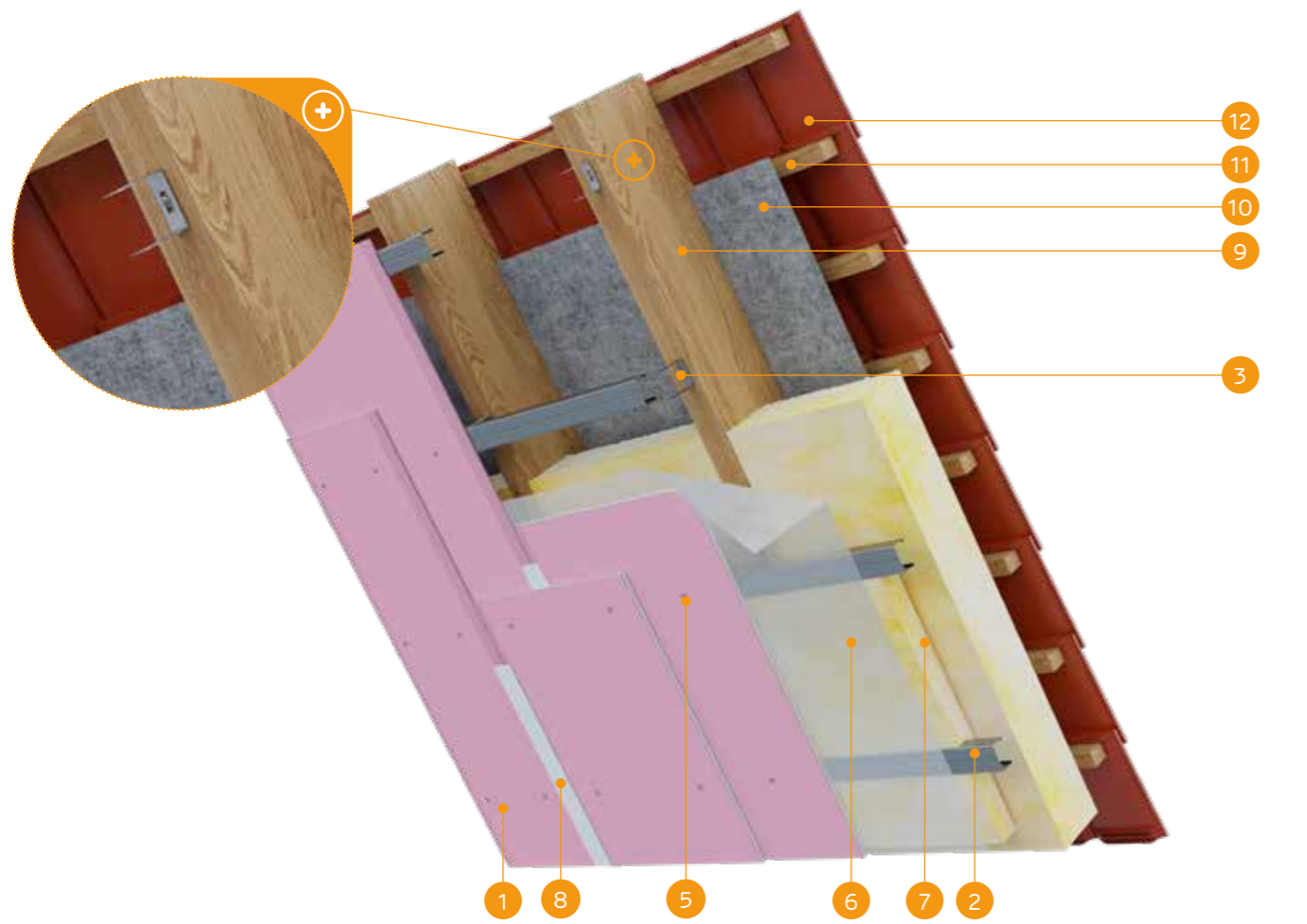
Weight of 1 m² of encasement:  
19,0-42,0 kg



Number of related document:  
PN-EN 1365-2:2014-12

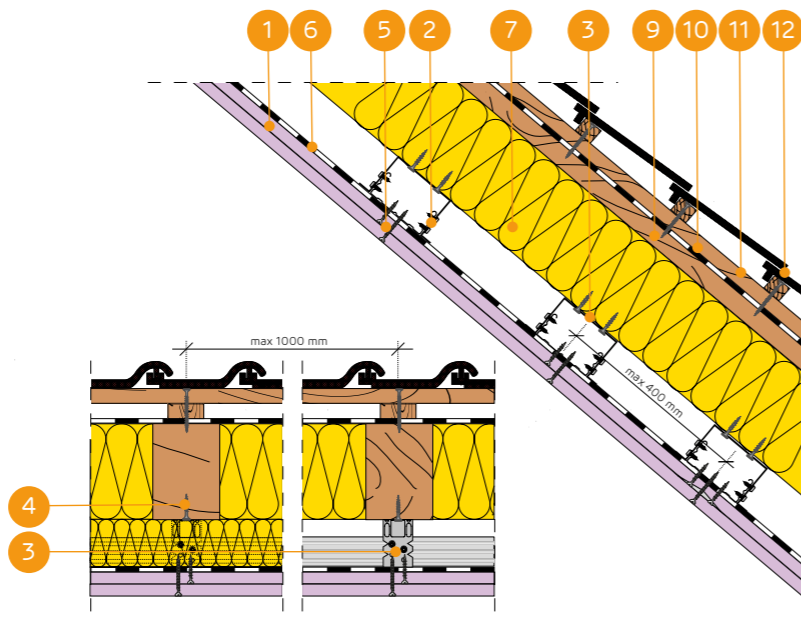
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
ES/CD60/25; ES/CD60/30; ES/CD60/37,5



MATERIALS:

1. Nida plasterboard
2. Nida CD60 profile
3. Nida ES60 fixing element
4. Nida 3.5x35 mm wood screws
5. Nida sheet metal screws
6. Vapour barrier
7. Insulation material mineral wool
8. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
9. Roof truss structure
10. Vapour-open membrane
11. Timber structure for roofing (battens, counter-battens)
12. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE PARALLEL ARRANGEMENT AND THE NIDA ES60 FIXING ELEMENTS

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure		Insulation material			Heat transfer coefficient <sup>1)</sup> U	Min. suspension height	Weight of 1m² of encasement <sup>2)</sup>	Fire resistance class <sup>3)</sup>	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Spacing of the Nida ES60 fasteners [mm]	Spacing of the Nida CD60 ceiling profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
ES/CD60/25/Expert	Expert	2x12,5	A	1000	400	glass wool / rockwool	150	10	0,22	56	19,0	-	-
ES/CD60/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	1000	400	glass wool / rockwool	150	10	0,22	56	20,0	-	-
ES/CD60/25/Ogień+	Ogień Plus	2x12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	56	23,0	REI45	-
ES/CD60/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	56	23,0	REI45	-
ES/CD60/25/Twarda	Twarda	2x12,5	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	56	28,0	REI45	●
ES/CD60/25/Hydro	Hydro	2x12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	56	24,0	REI45	●
ES/CD60/30/Ogień+	Ogień Plus	2x15,0	DF	1000	400	glass wool / rockwool	150	10	0,22	61	30,0	REI60	-
ES/CD60/30/Twarda	Twarda	2x15,0	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	61	34,0	REI60	●
ES/CD60/30/Hydro	Hydro	2x15,0	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	61	30,0	REI60	●
ES/CD60/37,5/Ogień+	Ogień Plus	3x12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	69	33,0	REI60	-
ES/CD60/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	69	33,0	REI60	-
ES/CD60/37,5/Twarda	Twarda	3x12,5	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	69	42,0	REI60	●
ES/CD60/37,5/Hydro	Hydro	3x12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	69	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida										
		ES /CD60/25/ Expert <sup>5)</sup>	ES /CD60/25/ Ogień+ <sup>6)</sup>	ES /CD60/25/ Twarda	ES /CD60/25/ Hydro	ES /CD60/30/ Ogień+	ES /CD60/30/ Twarda	ES /CD60/30/ Hydro	ES /CD60/37,5/ Ogień+ <sup>6)</sup>	ES /CD60/37,5/ Twarda	ES /CD60/37,5/ Hydro	
		Consumption of material per 1m²										
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	
Nida 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	-	-	-	-	
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	2,0	-	-	-	
Nida CD60 profile	lm	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
Nida UD27 profile	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	
Nida ES60 fixing element	pcs.	3,0	3,0	3,0	3,0	3,0	3,0	3,0	3,0	3,0	3,0	
Nida LW60 lengthwise connector	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	
Expansion plug <sup>7)</sup>	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	
Nida 3.5x35 mm wood screws	pcs.	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	
Nida 3.5x25 mm sheet metal screws	pcs.	6,0	6,0	-	-	6,0	-	-	6,0	-	-	
Nida 3.5x35 mm sheet metal screws	pcs.	18,0	18,0	-	-	-	-	-	6,0	-	-	
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	18,0	-	-	-	-	-	
Nida 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	-	-	18,0	-	-	-	
FixDens 4.2 x 25 mm screws	pcs.	-	-	6,0	-	-	6,0	-	-	6,0	-	
FixDens 4.2 x 42 mm screws	pcs.	-	-	18,0	-	-	18,0	-	-	6,0	-	
FixDens 4.2 x 60 mm screws	pcs.	-	-	-	-	-	-	-	-	18,0	-	
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	6,0	-	-	6,0	-	-	6,0	
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	18,0	-	-	6,0	
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	18,0	
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	
Nida Start gypsum putty	kg	0,6	0,6	-	-	0,6	-	-	0,9	-	-	
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-	0,1	-	-	
Nida Hydromix ready-to-use joint filler <sup>8)</sup>	kg	-	-	0,7	0,7	-	0,7	0,7	-	1,0	1,0	
Vapour barrier <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	
Mineral wool <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	
Vapour-open membrane <sup>9)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	

<sup>5)</sup> As an alternative the Nida Woda should be utilised.

<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.

<sup>7)</sup> The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.

<sup>8)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.

<sup>9)</sup> Application acc. to the requirements.

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

nida Dach



Fire resistance class:  
REI15  
REI30



Heat transfer coefficient U:  
0,22 W/m²K



The minimal suspension height:  
43 mm



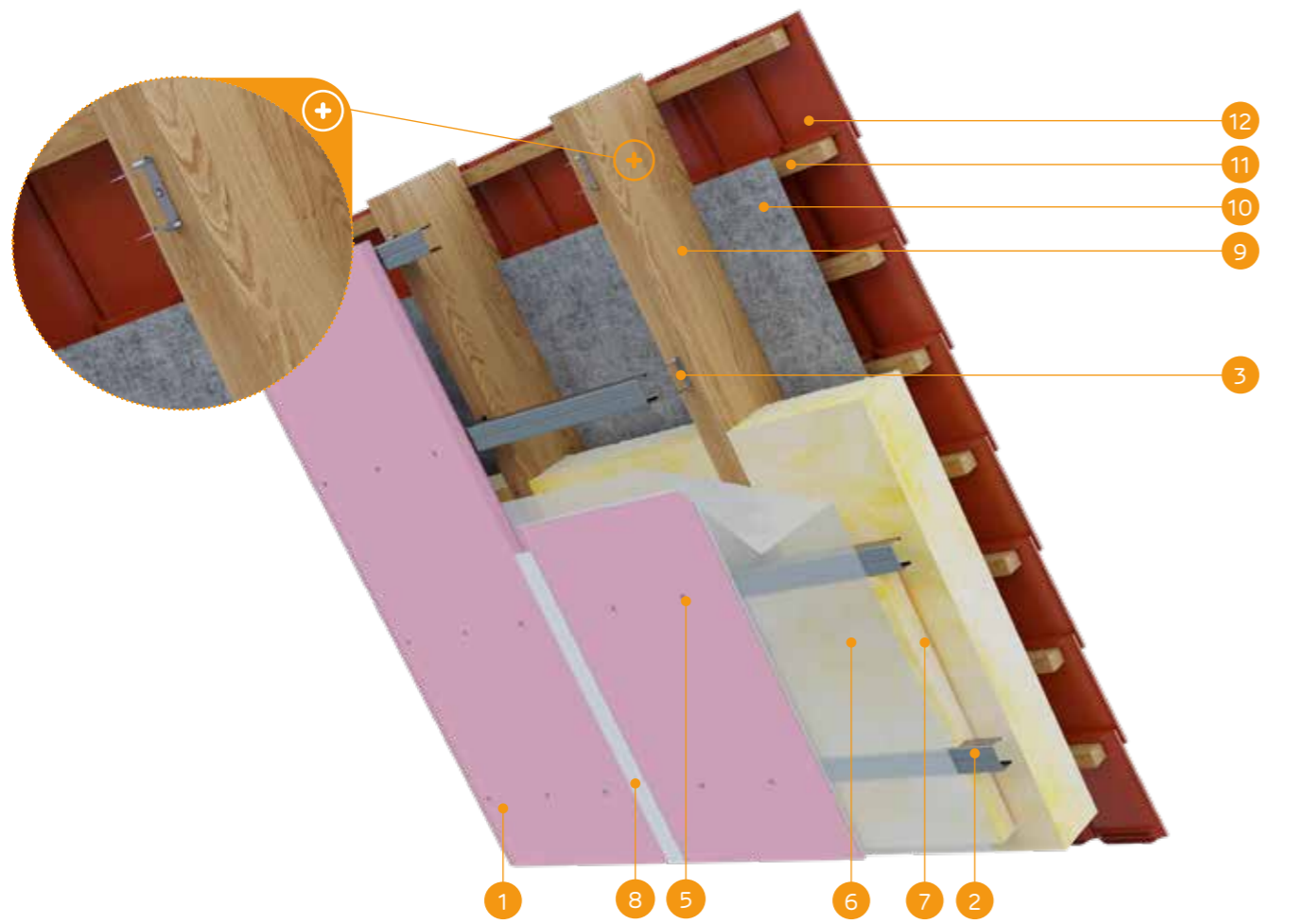
Weight of 1 m² of encasement:  
11,0-18,0 kg



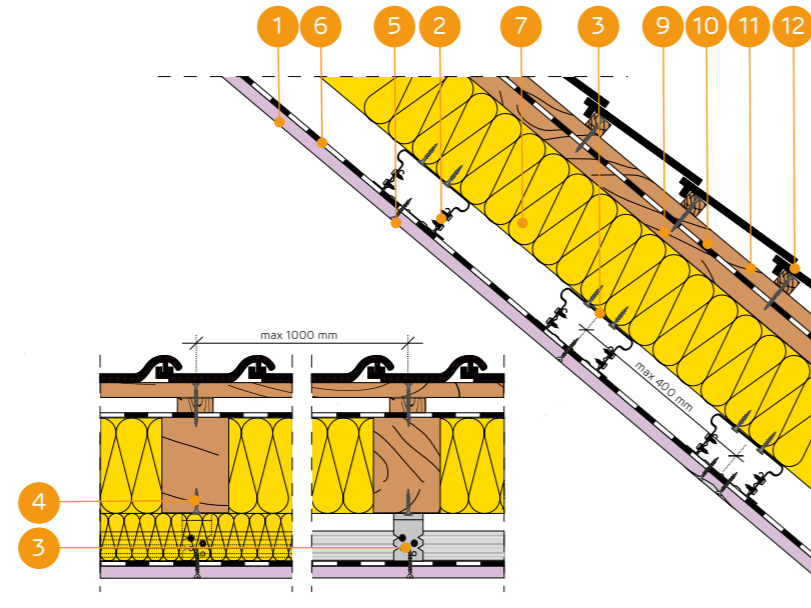
Number of related document:  
PN-EN 1365-2:2014-12

Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
EL/CD60/12,5; EL/CD60/15



- MATERIALS:**
- Nida plasterboard
  - Nida CD60 profile
  - Nida EL60 flexible fixing element
  - Nida 3.5x35 mm wood screws
  - Nida sheet metal screws
  - Vapour barrier
  - Insulation material mineral wool
  - The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
  - Roof truss structure
  - Vapour-open membrane
  - Timber structure for roofing (battens, counter-battens)
  - Roofing



## THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE PARALLEL ARRANGEMENT AND THE NIDA EL60 FLEXIBLE FIXING ELEMENTS

### TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure		Insulation material			Heat transfer coefficient <sup>1)</sup> U [W/m²K]	Min. suspension height [mm]	Weight of 1m² of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Spacing of the Nida EL60 fasteners [mm]	Spacing of the Nida CD60 ceiling profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
EL/CD60/12,5/Expert	Expert	12,5	A	1000	400	glass wool / rockwool	150	10	0,22	43	11,0	-	-
EL/CD60/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	1000	400	glass wool / rockwool	150	10	0,22	43	11,0	-	-
EL/CD60/12,5/Ogień+	Ogień Plus	12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	43	13,0	REI15	-
EL/CD60/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	43	13,0	REI15	-
EL/CD60/12,5/Twarda	Twarda	12,5	DEFH1R	1000	400	glass wool / rockwool	150	10	0,22	43	15,0	REI15	●
EL/CD60/12,5/Hydro	Hydro	12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	43	13,0	REI15	●
EL/CD60/15/Ogień+	Ogień Plus	15,0	DF	1000	400	glass wool / rockwool	150	10	0,22	46	16,0	REI30	-
EL/CD60/15/Twarda	Twarda	15,0	DEFH1R	1000	400	glass wool / rockwool	150	10	0,22	46	18,0	REI30	●
EL/CD60/15/Hydro	Hydro	15,0	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	46	16,0	REI30	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.  
<sup>2)</sup> The weight does not include the weight of the insulation material.  
<sup>3)</sup> Fire classification LBO-039-KZ/21.  
<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida						
		EL/CD60/12,5/Expert <sup>5)</sup>	EL/CD60/12,5/Ogień+ <sup>6)</sup>	EL/CD60/12,5/Twarda	EL/CD60/12,5/Hydro	EL/CD60/15/Ogień+	EL/CD60/15/Twarda	EL/CD60/15/Hydro
Consumption of material per 1m²								
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-
Nida Ogień Plus 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 CD60 profile	lm	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Nida UD27 profile	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida EL60 flexible fixing element	pcs.	3,0	3,0	3,0	3,0	3,0	3,0	3,0
Nida LW60 lengthwise connector	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Expansion plug <sup>7)</sup>	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida 3.5x35 mm wood screws	pcs.	6,0	6,0	6,0	6,0	6,0	6,0	6,0
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	18,0	18,0	-	-	18,0	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	-	18,0	-	-	18,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	18,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida Start gypsum putty	kg	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler <sup>8)</sup>	kg	-	-	0,4	0,4	-	0,4	0,4
Vapour barrier <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>9)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.  
<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.  
<sup>7)</sup> The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.  
<sup>8)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.  
<sup>9)</sup> Application acc. to the requirements.  
 The standards concerning the amount of utilised material do not cover the loss of the material.

nida Dach



Fire resistance class:  
REI45  
REI60



Heat transfer coefficient U:  
0,22 W/m²K



The minimal suspension height:  
56 mm



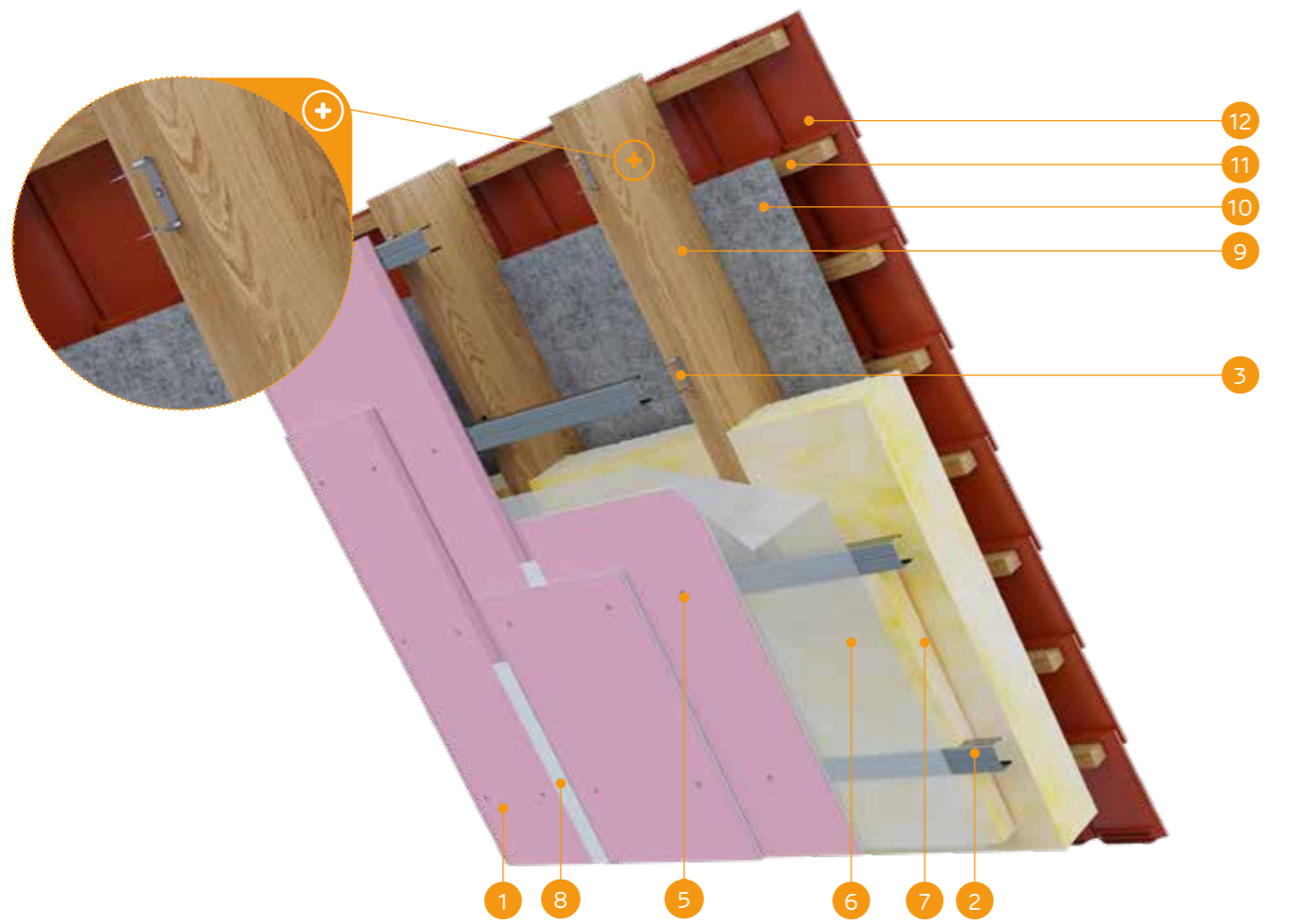
Weight of 1 m² of encasement:  
19,0-42,0 kg



Number of related document:  
PN-EN 1365-2:2014-12

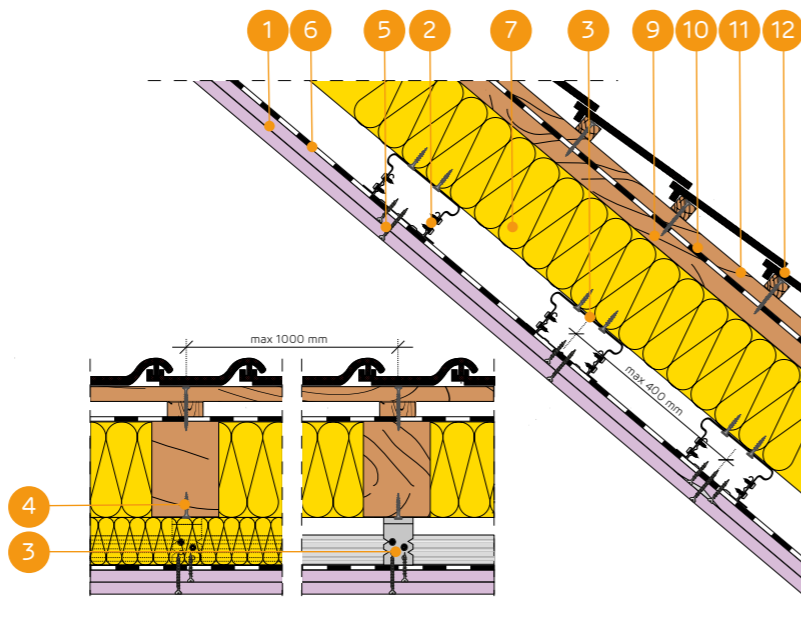
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
EL/CD60/25; EL/CD60/30; EL/CD60/37,5



MATERIALS:

1. Nida plasterboard
2. Nida CD60 profile
3. Nida EL60 flexible fixing element
4. Nida 3.5x35 mm wood screws
5. Nida sheet metal screws
6. Vapour barrier
7. Insulation material mineral wool
8. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
9. Roof truss structure
10. Vapour-open membrane
11. Timber structure for roofing (battens, counter-battens)
12. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE PARALLEL ARRANGEMENT AND THE NIDA EL60 FLEXIBLE FIXING ELEMENTS

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure		Insulation material			Heat transfer coefficient <sup>1)</sup> U [W/m²K]	Min. suspension height [mm]	Weight of 1m² of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Spacing of the Nida EL60 fasteners [mm]	Spacing of the Nida CD60 ceiling profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
EL/CD60/25/Expert	Expert	2x12,5	A	1000	400	glass wool / rockwool	150	10	0,22	56	19,0	-	-
EL/CD60/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	1000	400	glass wool / rockwool	150	10	0,22	56	20,0	-	-
EL/CD60/25/Ogień+	Ogień Plus	2x12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	56	23,0	REI45	-
EL/CD60/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	56	23,0	REI45	-
EL/CD60/25/Twarda	Twarda	2x12,5	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	56	28,0	REI45	●
EL/CD60/25/Hydro	Hydro	2x12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	56	24,0	REI45	●
EL/CD60/30/Ogień+	Ogień Plus	2x15,0	DF	1000	400	glass wool / rockwool	150	10	0,22	61	30,0	REI60	-
EL/CD60/30/Twarda	Twarda	2x15,0	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	61	34,0	REI60	●
EL/CD60/30/Hydro	Hydro	2x15,0	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	61	30,0	REI60	●
EL/CD60/37,5/Ogień+	Ogień Plus	3x12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	69	33,0	REI60	-
EL/CD60/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	69	33,0	REI60	-
EL/CD60/37,5/Twarda	Twarda	3x12,5	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	69	42,0	REI60	●
EL/CD60/37,5/Hydro	Hydro	3x12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	69	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida									
		EL/CD60/25/Expert <sup>5)</sup>	EL/CD60/25/Ogień+ <sup>6)</sup>	EL/CD60/25/Twarda	EL/CD60/25/Hydro	EL/CD60/30/Ogień+	EL/CD60/30/Twarda	EL/CD60/30/Hydro	EL/CD60/37,5/Ogień+ <sup>6)</sup>	EL/CD60/37,5/Twarda	EL/CD60/37,5/Hydro
Consumption of material per 1m²											
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-
Nida 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	-	-	-	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	2,0	-	-	-
Nida CD60 profile	lm	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Nida UD27 profile	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida EL60 flexible fixing element	pcs.	3,0	3,0	3,0	3,0	3,0	3,0	3,0	3,0	3,0	3,0
Nida LW60 lengthwise connector	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Expansion plug <sup>7)</sup>	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida 3.5x35 mm wood screws	pcs.	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0
Nida 3.5x25 mm sheet metal screws	pcs.	6,0	6,0	-	-	6,0	-	-	6,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	18,0	18,0	-	-	-	-	-	6,0	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	18,0	-	-	-	-	-
Nida 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	18,0	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	-	6,0	-	-	-	6,0	-	6,0	-
FixDens 4.2 x 42 mm screws	pcs.	-	-	18,0	-	-	-	18,0	-	6,0	-
FixDens 4.2 x 60 mm screws	pcs.	-	-	-	-	-	-	-	-	18,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	6,0	-	-	6,0	-	-	6,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	18,0	-	-	6,0
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	18,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida Start gypsum putty	kg	0,6	0,6	-	-	0,6	-	-	0,9	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler <sup>8)</sup>	kg	-	-	0,7	0,7	-	0,7	0,7	-	1,0	1,0
Vapour barrier <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>9)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.

<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.

<sup>7)</sup> The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.

<sup>8)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.

<sup>9)</sup> Application acc. to the requirements.

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

nida Dach

Fire resistance class:  
REI15  
REI30

Heat transfer coefficient U:  
0,22 W/m<sup>2</sup>K

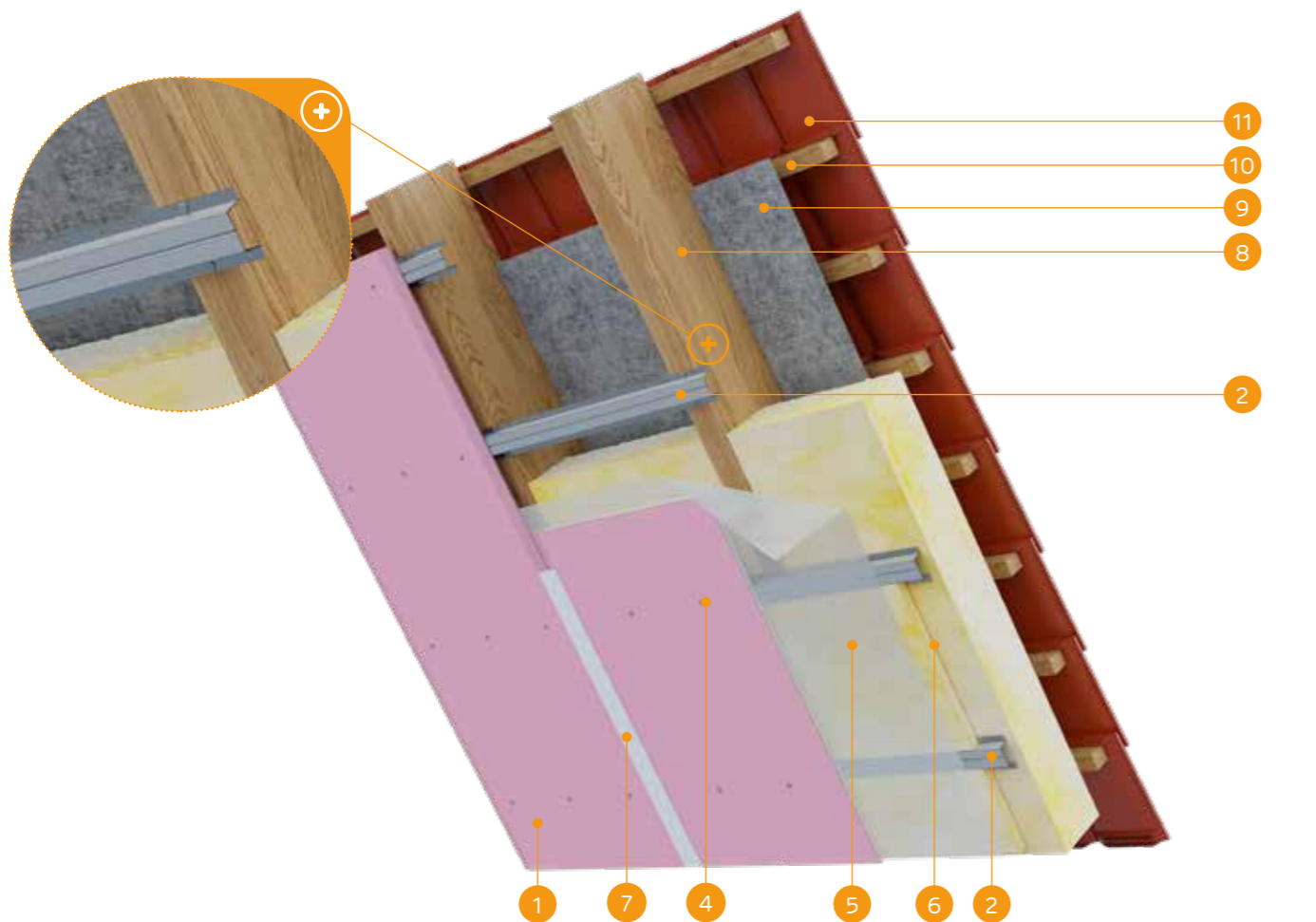
The minimal suspension height:  
28 mm

Weight of 1 m<sup>2</sup> of encasement:  
11,0-18,0 kg

Number of related document:  
PN-EN 1365-2:2014-12

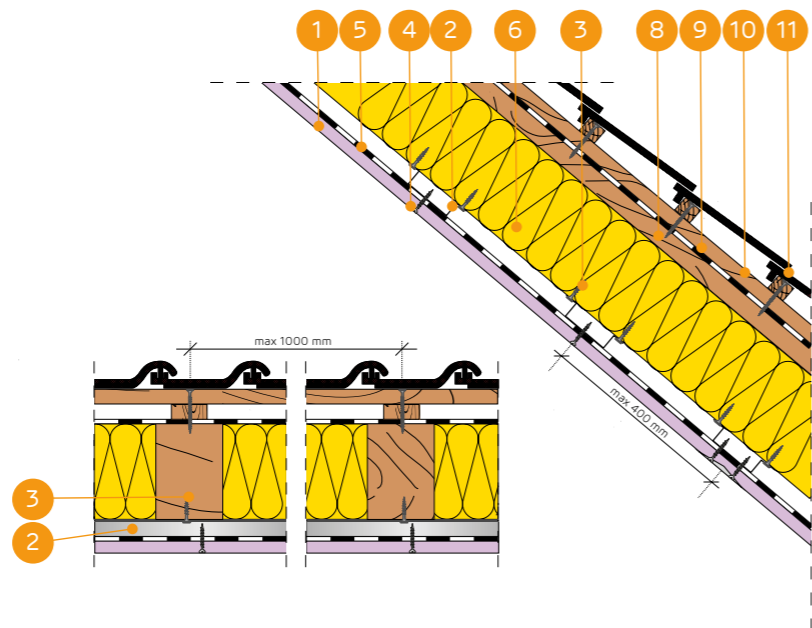
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
PK/12,5; PK/15



MATERIALS:

1. Nida plasterboard
2. Nida PK48 profile
3. Nida 3.5x35 mm wood screws
4. Nida sheet metal screws
5. Vapour barrier
6. Insulation material mineral wool
7. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
8. Roof truss structure
9. Vapour-open membrane
10. Timber structure for roofing (battens, counter-battens)
11. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA PK48 TOP-HAT PROFILES IN THE PARALLEL ARRANGEMENT (DIRECT ANCHORING)

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure		Insulation material			Heat transfer coefficient <sup>1)</sup> U	Min. suspension height	Weight of 1m <sup>2</sup> of encasement <sup>2)</sup>	Fire resistance class <sup>3)</sup>	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Spacing of the anchoring elements [mm]	Spacing of the Nida PK48 profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m <sup>3</sup> ]					
PK/12,5/Expert	Expert	12,5	A	1000	400	glass wool / rockwool	150	10	0,22	28	11,0	-	-
PK/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	1000	400	glass wool / rockwool	150	10	0,22	28	11,0	-	-
PK/12,5/Ogień+	Ogień Plus	12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	28	13,0	REI15	-
PK/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	28	13,0	REI15	-
PK/12,5/Twarda	Twarda	12,5	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	28	15,0	REI15	●
PK/12,5/Hydro	Hydro	12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	28	13,0	REI15	●
PK/15/Ogień+	Ogień Plus	15,0	DF	1000	400	glass wool / rockwool	150	10	0,22	30	16,0	REI30	-
PK/15/Twarda	Twarda	15,0	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	30	18,0	REI30	●
PK/15/Hydro	Hydro	15,0	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	30	16,0	REI30	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.  
<sup>2)</sup> The weight does not include the weight of the insulation material.  
<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 1M<sup>2</sup> FOR THE INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida						
		PK/12,5/Expert <sup>5)</sup>	PK/12,5/Ogień+ <sup>6)</sup>	PK/12,5/Twarda	PK/12,5/Hydro	PK/15/Ogień+	PK/15/Twarda	PK/15/Hydro
Consumption of material per 1m <sup>2</sup>								
Nida Expert 12.5 mm plasterboard	m <sup>2</sup>	1,0	-	-	-	-	-	-
Nida Ogień Plus 12.5 mm plasterboard	m <sup>2</sup>	-	1,0	-	-	-	-	-
Nida Twarda 12.5 mm plasterboard	m <sup>2</sup>	-	-	1,0	-	-	-	-
Nida Hydro 12.5 mm plasterboard	m <sup>2</sup>	-	-	-	1,0	-	-	-
Nida Ogień Plus 15.0 mm plasterboard	m <sup>2</sup>	-	-	-	-	1,0	-	-
Nida Twarda 15.0 mm plasterboard	m <sup>2</sup>	-	-	-	-	-	1,0	-
Nida Hydro 15.0 mm plasterboard	m <sup>2</sup>	-	-	-	-	-	-	1,0
Nida PK48 profile	lm	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Nida 3.5x35 mm wood screws	pcs.	6,0	6,0	6,0	6,0	6,0	6,0	6,0
Nida 3.5x25 mm sheet metal screws	pcs.	18,0	18,0	-	-	18,0	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	-	18,0	-	-	18,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	18,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida Start gypsum putty	kg	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler <sup>7)</sup>	kg	-	-	0,4	0,4	-	0,4	0,4
Vapour barrier <sup>8)</sup>	m <sup>2</sup>	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>8)</sup>	m <sup>2</sup>	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>8)</sup>	m <sup>2</sup>	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.  
<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.  
<sup>7)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.  
<sup>8)</sup> Application acc. to the requirements.  
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Dach

Fire resistance class:  
REI45  
REI60

Heat transfer coefficient U:  
0,22 W/m²K

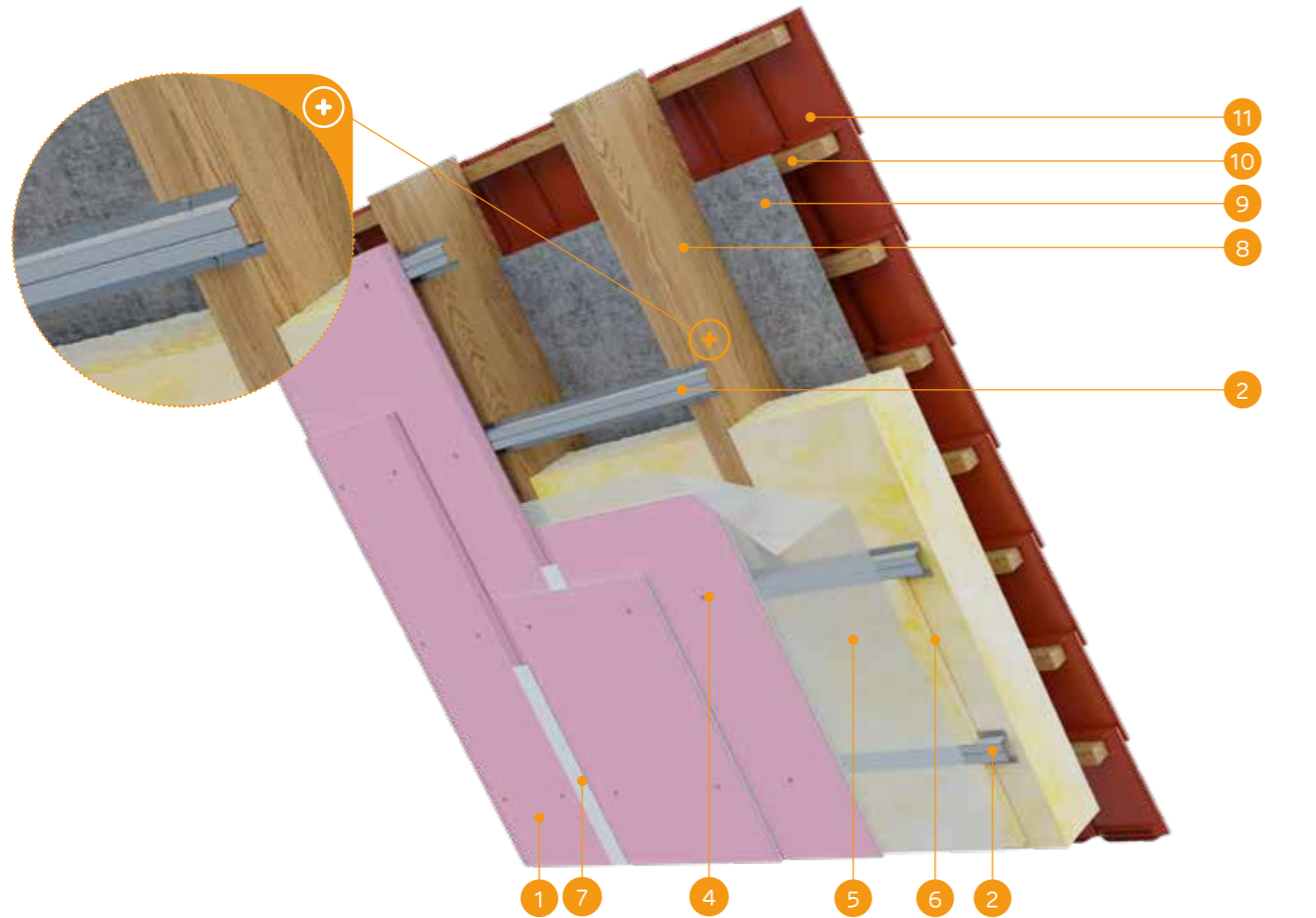
The minimal suspension height:  
40 mm

Weight of 1 m² of encasement:  
19,0-42,0 kg

Number of related document:  
PN-EN 1365-2:2014-12

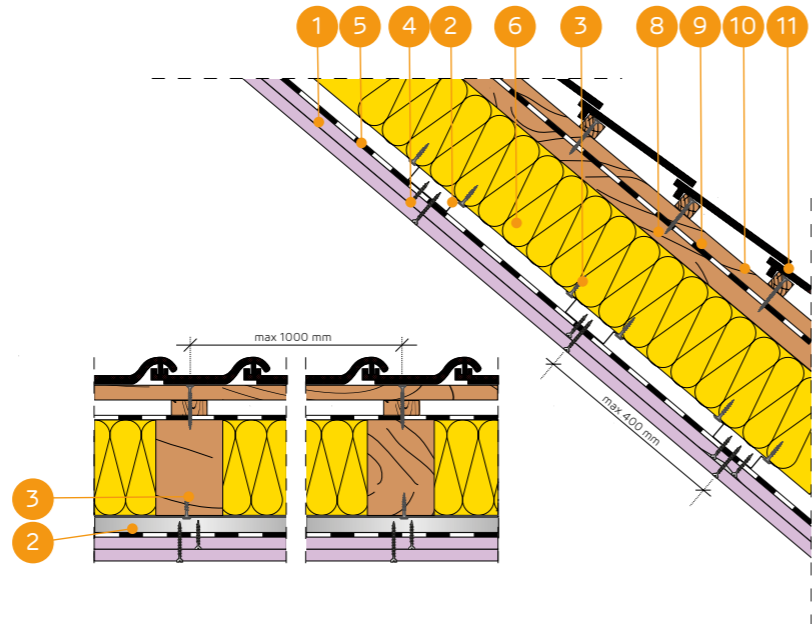
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
PK/25; PK/30; PK/37,5



MATERIALS:

1. Nida plasterboard
2. Nida PK48 profile
3. Nida 3.5x35 mm wood screws
4. Nida sheet metal screws
5. Vapour barrier
6. Insulation material mineral wool
7. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
8. Roof truss structure
9. Vapour-open membrane
10. Timber structure for roofing (battens, counter-battens)
11. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA PK48 TOP-HAT PROFILES IN THE PARALLEL ARRANGEMENT (DIRECT ANCHORING)

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure		Insulation material			Heat transfer coefficient <sup>1)</sup> U	Min. suspension height	Weight of 1m² of encasement <sup>2)</sup>	Fire resistance class <sup>3)</sup>	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Spacing of the anchoring elements [mm]	Spacing of the Nida PK48 profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
PK/25/Expert	Expert	2x12,5	A	1000	400	glass wool / rockwool	150	10	0,22	40	19,0	-	-
PK/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	1000	400	glass wool / rockwool	150	10	0,22	40	20,0	-	-
PK/25/Ogień+	Ogień Plus	2x12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	40	23,0	REI45	-
PK/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	40	23,0	REI45	-
PK/25/Twarda	Twarda	2x12,5	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	40	28,0	REI45	●
PK/25/Hydro	Hydro	2x12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	40	24,0	REI45	●
PK/30/Ogień+	Ogień Plus	2x15,0	DF	1000	400	glass wool / rockwool	150	10	0,22	45	30,0	REI60	-
PK/30/Twarda	Twarda	2x15,0	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	45	34,0	REI60	●
PK/30/Hydro	Hydro	2x15,0	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	45	30,0	REI60	●
PK/37,5/Ogień+	Ogień Plus	3x12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	53	33,0	REI60	-
PK/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	53	33,0	REI60	-
PK/37,5/Twarda	Twarda	3x12,5	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	53	42,0	REI60	●
PK/37,5/Hydro	Hydro	3x12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	53	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida									
		PK/25/Expert <sup>5)</sup>	PK/25/Ogień+ <sup>6)</sup>	PK/25/Twarda	PK/25/Hydro	PK/30/Ogień+	PK/30/Twarda	PK/30/Hydro	PK/37,5/Ogień+ <sup>6)</sup>	PK/37,5/Twarda	PK/37,5/Hydro
		Consumption of material per 1m²									
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-
Nida 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	-	-	-	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	2,0	-	-	-
Nida PK48 profile	lm	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Nida 3.5x35 mm wood screws	pcs.	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.	6,0	6,0	-	-	6,0	-	-	6,0	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	18,0	18,0	-	-	-	-	-	6,0	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	18,0	-	-	-	-	-
Nida 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	18,0	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	-	6,0	-	-	6,0	-	-	6,0	-
FixDens 4.2 x 42 mm screws	pcs.	-	-	18,0	-	-	18,0	-	-	6,0	-
FixDens 4.2 x 60 mm screws	pcs.	-	-	-	-	-	-	-	-	18,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	6,0	-	-	6,0	-	-	6,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	18,0	-	-	6,0
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	18,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida Start gypsum putty	kg	0,6	0,6	-	-	0,6	-	-	0,9	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler <sup>7)</sup>	kg	-	-	0,7	0,7	-	0,7	0,7	-	1,0	1,0
Vapour barrier <sup>8)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>8)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>8)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.

<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.

<sup>7)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.

<sup>8)</sup> Application acc. to the requirements.

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

nida Dach

Fire resistance class:  
REI15  
REI30

Heat transfer coefficient U:  
0,22 W/m²K

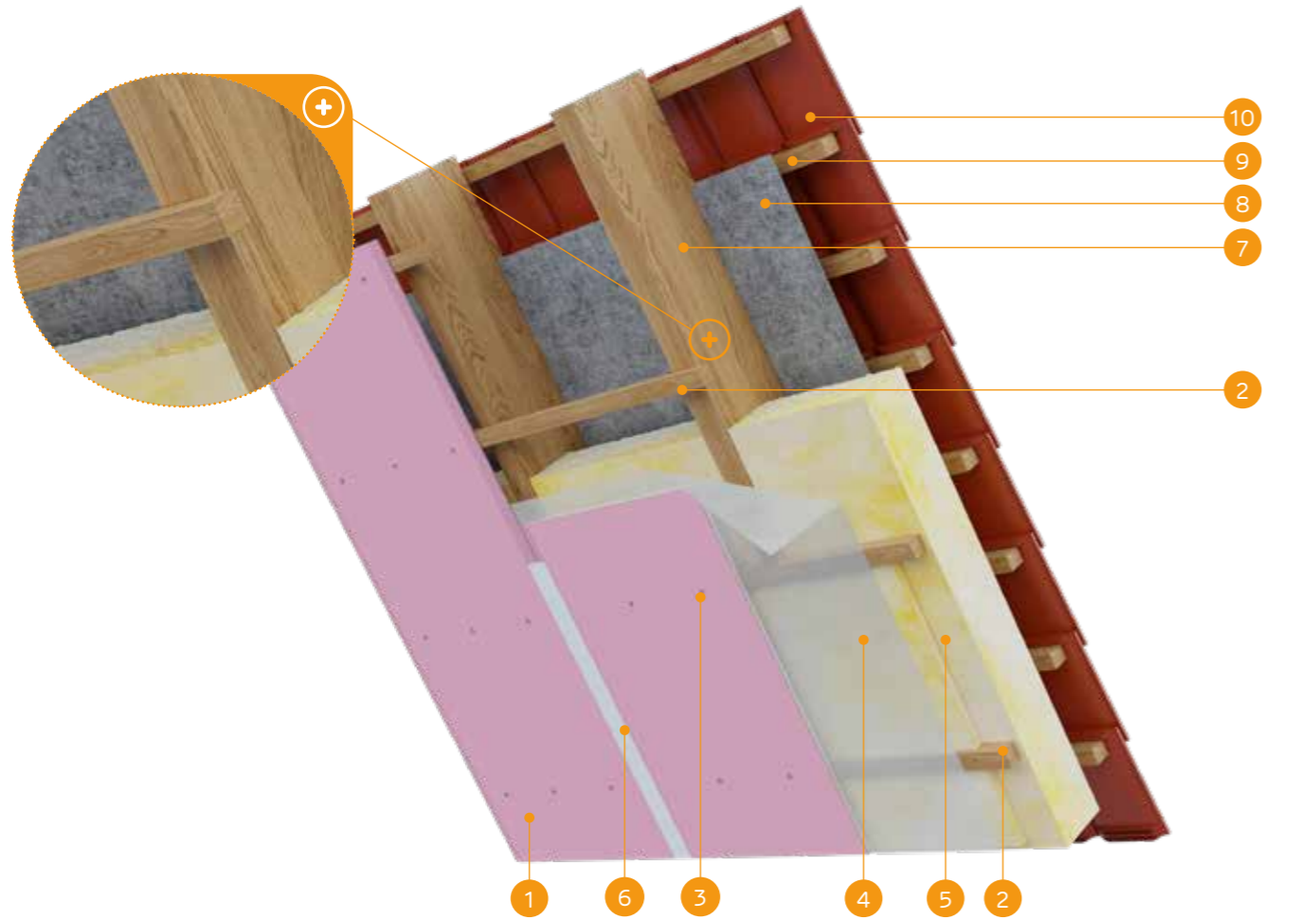
The minimal suspension height:  
38 mm

Weight of 1 m² of encasement:  
11,0-18,0 kg

Number of related document:  
PN-EN 1365-2:2014-12

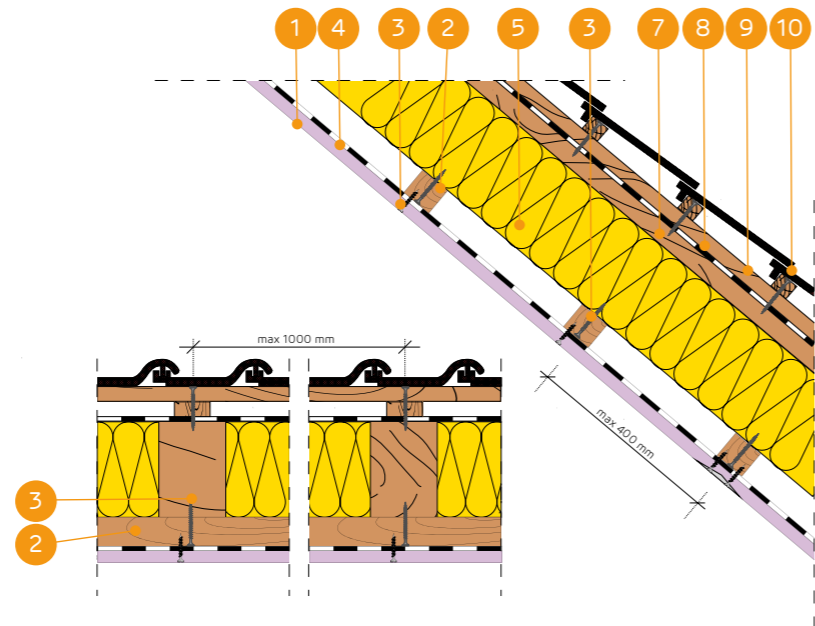
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
LD/12,5; LD/15



MATERIALS:

1. Nida plasterboard
2. Timber lath
3. Nida wood screws
4. Vapour barrier
5. Insulation material mineral wool
6. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
7. Roof truss structure
8. Vapour-open membrane
9. Timber structure for roofing (battens, counter-battens)
10. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON TIMBER BATTENS IN THE PARALLEL ARRANGEMENT (DIRECT ANCHORING)

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure		Insulation material			Heat transfer coefficient <sup>1)</sup> U	Min. suspension height	Weight of 1m² of encasement <sup>2)</sup>	Fire resistance class <sup>3)</sup>	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Spacing of the anchoring elements [mm]	Spacing of timber battens [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
LD/12,5/Expert	Expert	12,5	A	1000	400	glass wool / rockwool	150	10	0,22	38	11,0	-	-
LD/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	1000	400	glass wool / rockwool	150	10	0,22	38	11,0	-	-
LD/12,5/Ogień+	Ogień Plus	12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	38	13,0	REI15	-
LD/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	38	13,0	REI15	-
LD/12,5/Twarda	Twarda	12,5	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	38	15,0	REI15	●
LD/12,5/Hydro	Hydro	12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	38	13,0	REI15	●
LD/15/Ogień+	Ogień Plus	15,0	DF	1000	400	glass wool / rockwool	150	10	0,22	40	16,0	REI30	-
LD/15/Twarda	Twarda	15,0	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	40	18,0	REI30	●
LD/15/Hydro	Hydro	15,0	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	40	16,0	REI30	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida						
		LD/12,5/Expert <sup>5)</sup>	LD/12,5/Ogień+ <sup>6)</sup>	LD/12,5/Twarda	LD/12,5/Hydro	LD/15/Ogień+	LD/15/Twarda	LD/15/Hydro
		Consumption of material per 1m²						
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-
Nida Ogień Plus 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
Timber lath cross section 48x24 mm or 50x30 mm	lm	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Nida 3.5x45 mm wood screws	pcs.	18,0	18,0	-	18,0	18,0	-	18,0
Nida 4.2x70 mm wood screws (for fixing timber laths)	pcs.	3,0	3,0	3,0	3,0	3,0	3,0	3,0
FixDens 4.2 x 42 mm screws	pcs.	-	-	18,0	-	-	18,0	-
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida Start gypsum putty	kg	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler <sup>7)</sup>	kg	-	-	0,4	0,4	-	0,4	0,4
Vapour barrier <sup>8)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>10)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.

<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.

<sup>7)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.

<sup>8)</sup> Application acc. to the requirements.

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

nida Dach



Fire resistance class:  
REI45  
REI60



Heat transfer coefficient U:  
0,22 W/m²K



The minimal suspension height:  
50 mm



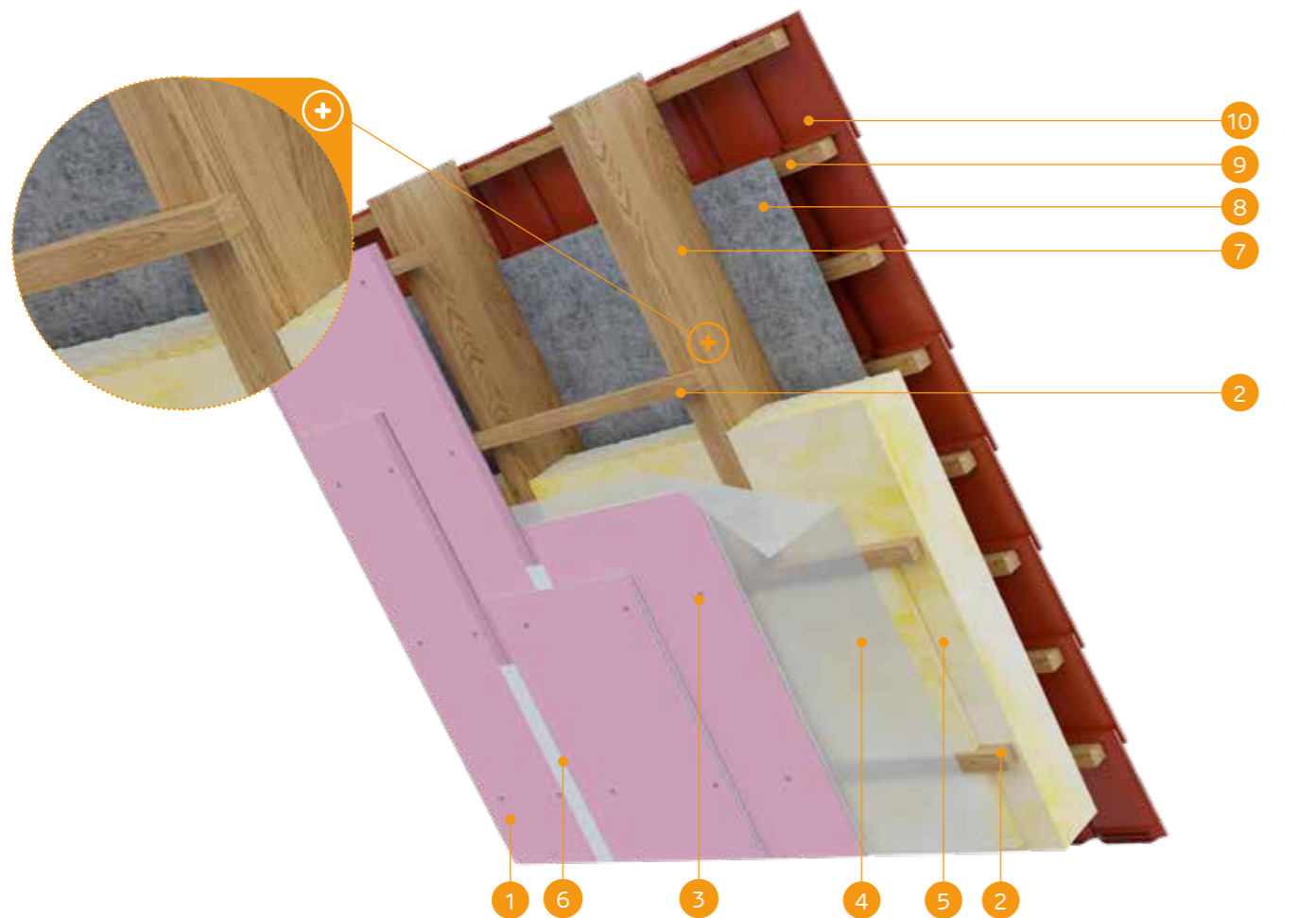
Weight of 1 m² of encasement:  
19,0-42,0 kg



Number of related document:  
PN-EN 1365-2:2014-12

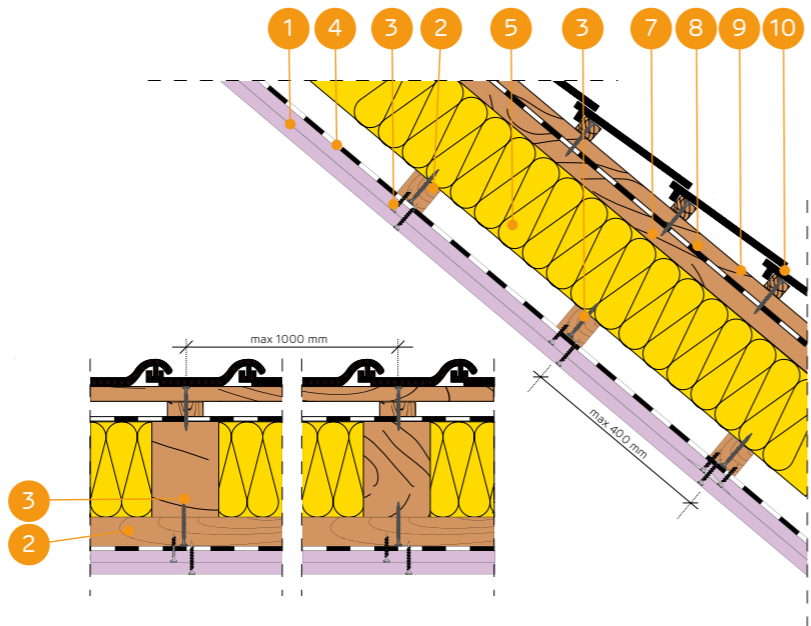
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
LD/25; LD/30; LD/37,5



MATERIALS:

1. Nida plasterboard
2. Timber lath
3. Nida wood screws
4. Vapour barrier
5. Insulation material mineral wool
6. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
7. Roof truss structure
8. Vapour-open membrane
9. Timber structure for roofing (battens, counter-battens)
10. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON TIMBER BATTENS IN THE PARALLEL ARRANGEMENT (DIRECT ANCHORING)

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure		Insulation material			Heat transfer coefficient <sup>1)</sup> [W/m²K]	Min. suspension height [mm]	Weight of 1m² of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Spacing of the anchoring elements [mm]	Spacing of timber battens [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
LD/25/Expert	Expert	2x12,5	A	1000	400	glass wool / rockwool	150	10	0,22	50	19,0	-	-
LD/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	1000	400	glass wool / rockwool	150	10	0,22	50	20,0	-	-
LD/25/Ogień+	Ogień Plus	2x12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	50	23,0	REI45	-
LD/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	50	23,0	REI45	-
LD/25/Twarda	Twarda	2x12,5	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	50	28,0	REI45	●
LD/25/Hydro	Hydro	2x12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	50	24,0	REI45	●
LD/30/Ogień+	Ogień Plus	2x15,0	DF	1000	400	glass wool / rockwool	150	10	0,22	55	30,0	REI60	-
LD/30/Twarda	Twarda	2x15,0	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	55	34,0	REI60	●
LD/30/Hydro	Hydro	2x15,0	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	55	30,0	REI60	●
LD/37,5/Ogień+	Ogień Plus	3x12,5	DF	1000	400	glass wool / rockwool	150	10	0,22	63	33,0	REI60	-
LD/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	1000	400	glass wool / rockwool	150	10	0,22	63	33,0	REI60	-
LD/37,5/Twarda	Twarda	3x12,5	DEFH1IR	1000	400	glass wool / rockwool	150	10	0,22	63	42,0	REI60	●
LD/37,5/Hydro	Hydro	3x12,5	GMFH1I	1000	400	glass wool / rockwool	150	10	0,22	63	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida									
		LD/25/Expert <sup>5)</sup>	LD/25/Ogień+ <sup>6)</sup>	LD/25/Twarda	LD/25/Hydro	LD/30/Ogień+	LD/30/Twarda	LD/30/Hydro	LD/37,5/Ogień+ <sup>6)</sup>	LD/37,5/Twarda	LD/37,5/Hydro
		Consumption of material per 1m²									
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-
Nida 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	-	-	-	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	2,0	-	-	-
Timber lath cross section 48x24 mm or 50x30 mm	lm	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Nida 3.5x45 mm wood screws	pcs.	6,0	6,0	-	6,0	6,0	-	6,0	6,0	-	6,0
Nida 3.5x55 mm wood screws	pcs.	18,0	18,0	-	18,0	18,0	-	18,0	6,0	-	6,0
Nida 4.2x70 mm wood screws	pcs.	-	-	-	-	-	-	-	-	18,0	-
Nida 4.2x70 mm wood screws (for fixing timber laths)	pcs.	3,0	3,0	3,0	3,0	3,0	3,0	3,0	3,0	3,0	3,0
FixDens 4.2 x 42 mm screws	pcs.	-	-	6,0	-	-	6,0	-	-	6,0	-
FixDens 4.2 x 60 mm screws	pcs.	-	-	18,0	-	-	18,0	-	-	6,0	-
FixDens 4.5x80 mm screws	pcs.	-	-	-	-	-	-	-	-	18,0	-
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida Start gypsum putty	kg	0,6	0,6	-	-	0,6	-	-	0,9	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler <sup>7)</sup>	kg	-	-	0,7	0,7	-	0,7	0,7	-	1,0	1,0
Vapour barrier <sup>8)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>8)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>8)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.

<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.

<sup>7)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.

<sup>8)</sup> Application acc. to the requirements.

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



nida Dach

Fire resistance class:  
REI15  
REI30

Heat transfer coefficient U:  
0,22 W/m²K

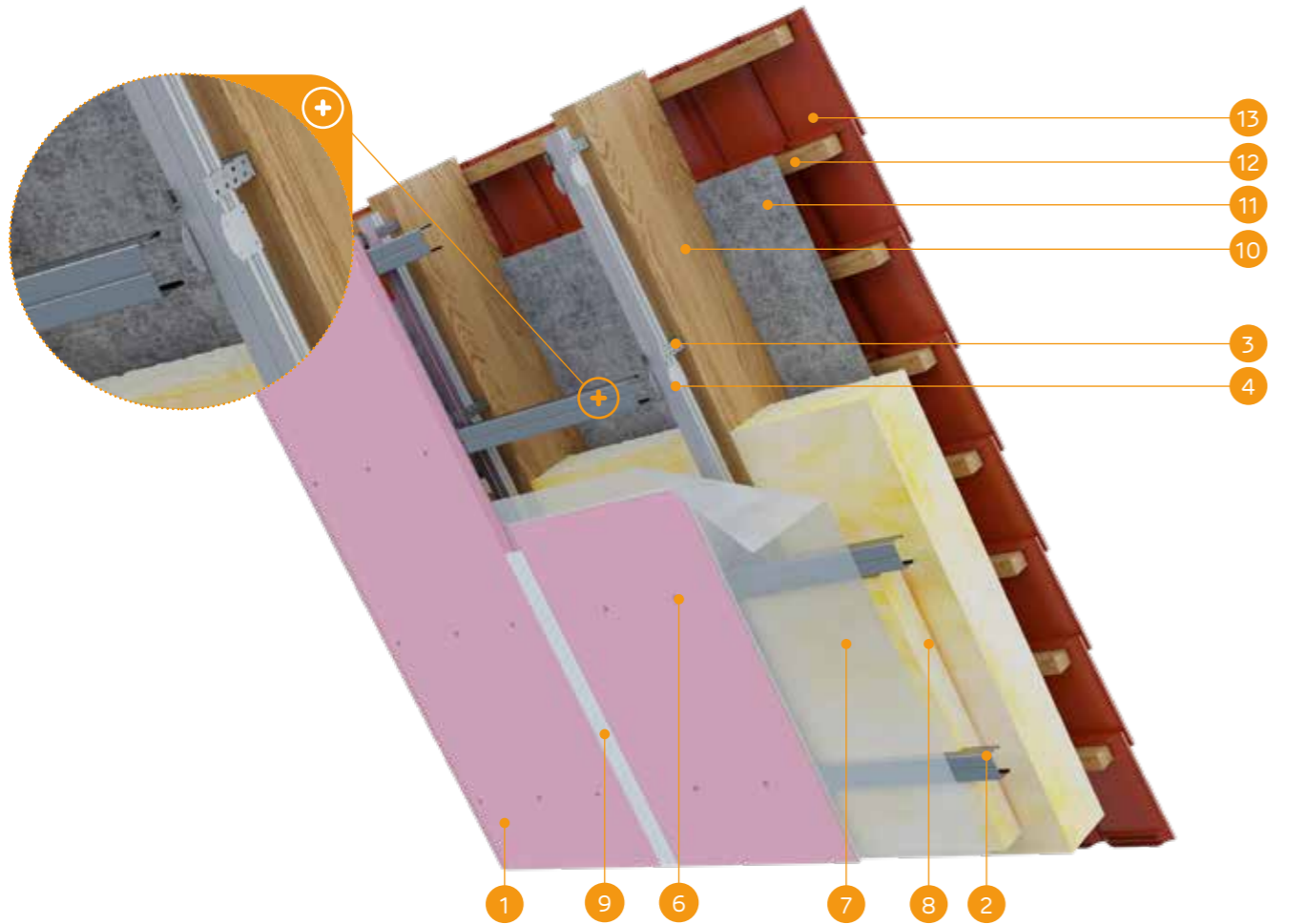
The minimal suspension height:  
73 mm

Weight of 1 m² of encasement:  
11,0-18,0 kg

Number of related document:  
PN-EN 1365-2:2014-12

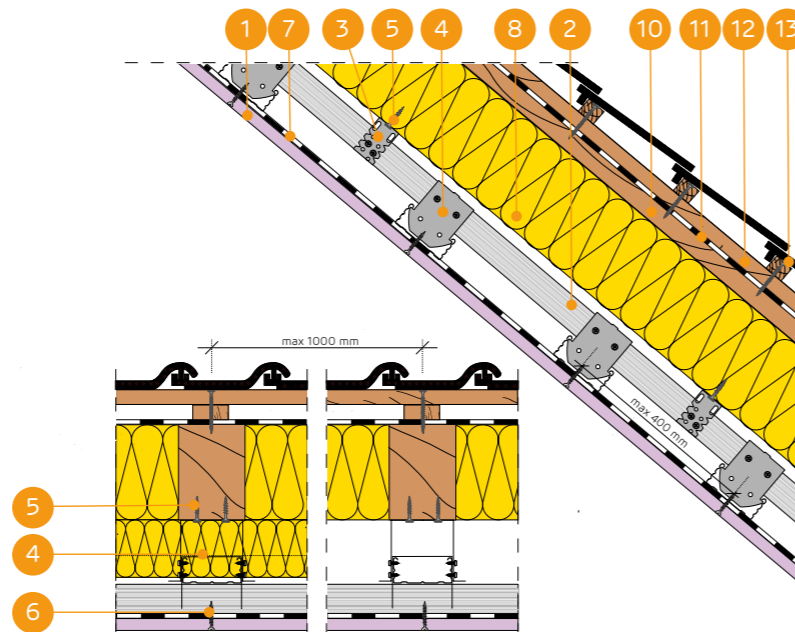
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
ES/DK/CD60/12,5; ES/DK/CD60/15



MATERIALS:

1. Nida plasterboard
2. Nida CD60 profile
3. Nida ES60 fixing element
4. Nida LK60 cross connector
5. Nida 3.5x35 mm wood screws
6. Nida sheet metal screws
7. Vapour barrier
8. Insulation material mineral wool
9. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
10. Roof truss structure
11. Vapour-open membrane
12. Timber structure for roofing (battens, counter-battens)
13. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE CROSS ARRANGEMENT AND WITH THE NIDA ES60 FIXING ELEMENTS

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure			Insulation material			Heat transfer coefficient U <sup>1)</sup> [W/m²K]	Min. suspension height [mm]	Weight of 1m² of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Max. spacing of the Nida ES60 fasteners [mm]	Spacing of the Nida CD60 main profiles [mm]	Spacing of the Nida CD60 load-bearing profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
ES/DK/CD60/12,5/Expert	Expert	12,5	A	1000	1000	400	glass wool / rockwool	150	10	0,22	73	11,0	-	-
ES/DK/CD60/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	1000	1000	400	glass wool / rockwool	150	10	0,22	73	11,0	-	-
ES/DK/CD60/12,5/Ogień+	Ogień Plus	12,5	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	73	13,0	REI15	-
ES/DK/CD60/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	1000	1000	400	glass wool / rockwool	150	10	0,22	73	13,0	REI15	-
ES/DK/CD60/12,5/Twarda	Twarda	12,5	DEFH1R	1000	1000	400	glass wool / rockwool	150	10	0,22	73	15,0	REI15	●
ES/DK/CD60/12,5/Hydro	Hydro	12,5	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	73	13,0	REI15	●
ES/DK/CD60/15/Ogień+	Ogień Plus	15,0	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	75	16,0	REI30	-
ES/DK/CD60/15/Twarda	Twarda	15,0	DEFH1R	1000	1000	400	glass wool / rockwool	150	10	0,22	75	18,0	REI30	●
ES/DK/CD60/15/Hydro	Hydro	15,0	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	75	16,0	REI30	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.  
<sup>2)</sup> The weight does not include the weight of the insulation material.  
<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida						
		ES/DK/CD60/12,5/Expert <sup>5)</sup>	ES/DK/CD60/12,5/Ogień+ <sup>6)</sup>	ES/DK/CD60/12,5/Twarda	ES/DK/CD60/12,5/Hydro	ES/DK/CD60/15/Ogień+	ES/DK/CD60/15/Twarda	ES/DK/CD60/15/Hydro
Consumption of material per 1m²								
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-
Nida Ogień Plus 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 CD60 profile	lm	3,8	3,8	3,8	3,8	3,8	3,8	3,8
Nida UD27 profile	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida ES60 fixing element	pcs.	1,6	1,6	1,6	1,6	1,6	1,6	1,6
Nida LW60 lengthwise connector	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Nida LK60 cross connector	pcs.	3,2	3,2	3,2	3,2	3,2	3,2	3,2
Expansion plug <sup>7)</sup>	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida 3.5x35 mm wood screws	pcs.	3,2	3,2	3,2	3,2	3,2	3,2	3,2
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	20,0	20,0	20,0	20,0	20,0	20,0	20,0
Nida 3.5x25 mm sheet metal screws	pcs.	18,0	18,0	-	-	18,0	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	-	18,0	-	-	18,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	18,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida Start gypsum putty	kg	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler <sup>8)</sup>	kg	-	-	0,4	0,4	-	0,4	0,4
Vapour barrier <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>9)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.  
<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.  
<sup>7)</sup> The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.  
<sup>8)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.  
<sup>9)</sup> Application acc. to the requirements.  
The standards concerning the amount of utilised material do not cover the loss of the material.

nida Dach



Fire resistance class:  
REI45  
REI60



Heat transfer coefficient U:  
0,22 W/m²K



The minimal suspension height:  
85 mm



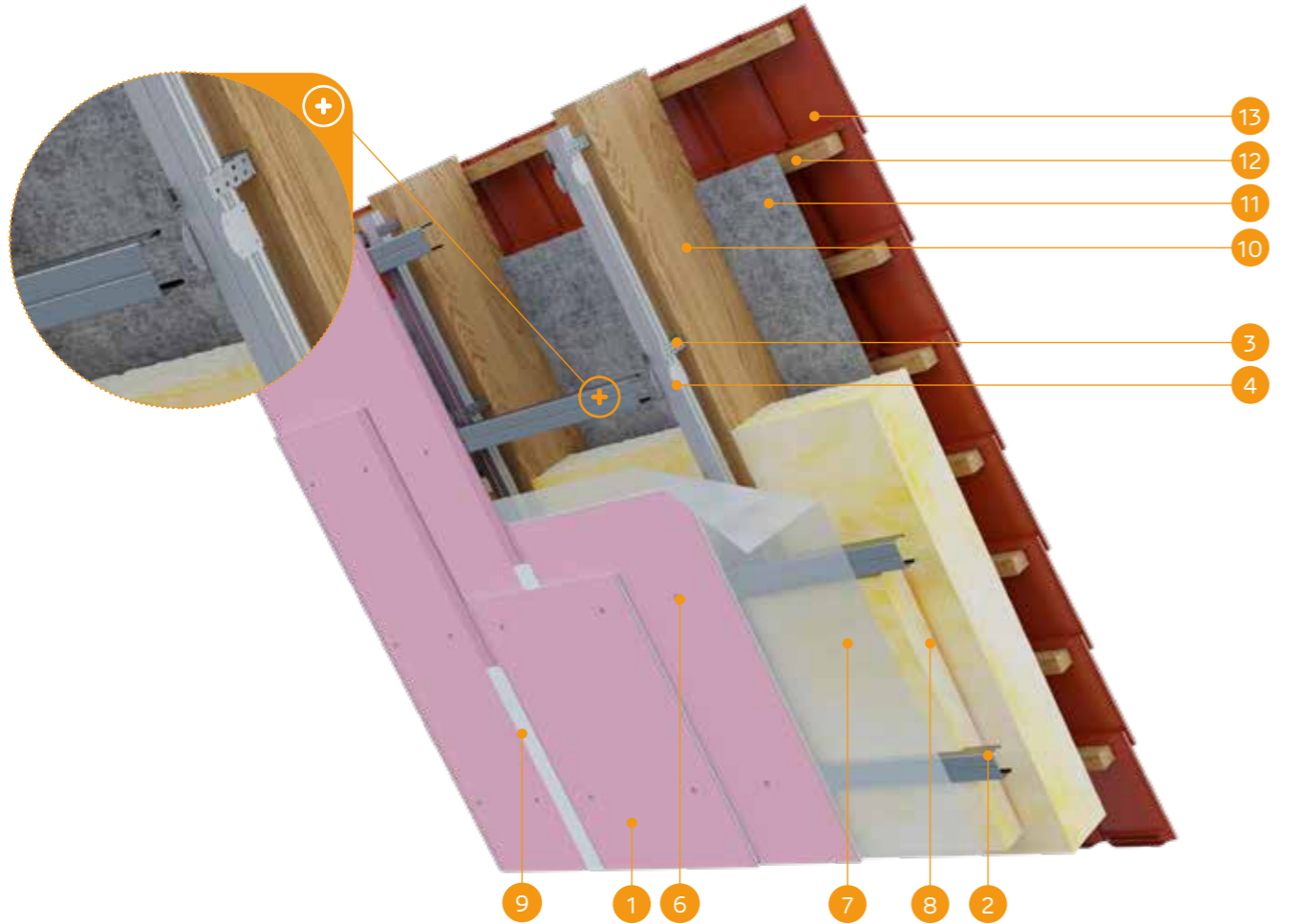
Weight of 1 m² of encasement:  
19,0-42,0 kg



Number of related document:  
PN-EN 1365-2:2014-12

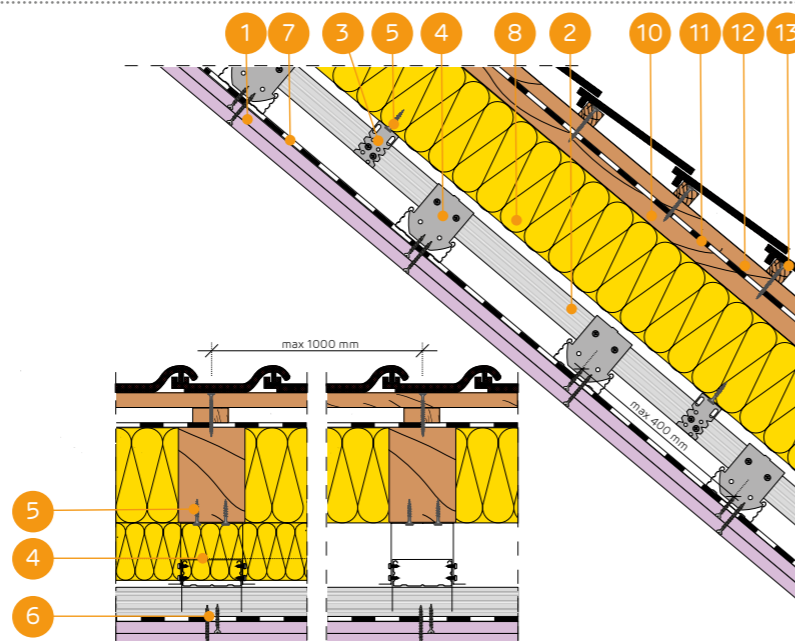
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
ES/DK/CD60/25; ES/DK/CD60/30; ES/DK/CD60/37,5



MATERIALS:

1. Nida plasterboard
2. Nida CD60 profile
3. Nida ES60 fixing element
4. Nida LK60 cross connector
5. Nida 3.5x35 mm wood screws
6. Nida sheet metal screws
7. Vapour barrier
8. Insulation material mineral wool
9. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
10. Roof truss structure
11. Vapour-open membrane
12. Timber structure for roofing (battens, counter-battens)
13. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE CROSS ARRANGEMENT AND WITH THE NIDA ES60 FIXING ELEMENTS

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure			Insulation material			Heat transfer coefficient <sup>1)</sup> U	Min. suspension height	Weight of 1m² of encasement <sup>2)</sup>	Fire resistance class <sup>3)</sup>	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Max. spacing of the Nida ES60 fasteners [mm]	Spacing of the Nida CD60 main profiles [mm]	Spacing of the Nida CD60 load-bearing profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
ES/DK/CD60/25/Expert	Expert	2x12,5	A	1000	1000	400	glass wool / rockwool	150	10	0,22	85	19,0	-	-
ES/DK/CD60/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	1000	1000	400	glass wool / rockwool	150	10	0,22	85	20,0	-	-
ES/DK/CD60/25/Ogień+	Ogień Plus	2x12,5	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	85	23,0	REI45	-
ES/DK/CD60/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	1000	1000	400	glass wool / rockwool	150	10	0,22	85	23,0	REI45	-
ES/DK/CD60/25/Twarda	Twarda	2x12,5	DEFH1IR	1000	1000	400	glass wool / rockwool	150	10	0,22	85	28,0	REI45	●
ES/DK/CD60/25/Hydro	Hydro	2x12,5	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	85	24,0	REI45	●
ES/DK/CD60/30/Ogień+	Ogień Plus	2x15,0	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	90	30,0	REI60	-
ES/DK/CD60/30/Twarda	Twarda	2x15,0	DEFH1IR	1000	1000	400	glass wool / rockwool	150	10	0,22	90	34,0	REI60	●
ES/DK/CD60/30/Hydro	Hydro	2x15,0	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	90	30,0	REI60	●
ES/DK/CD60/37,5/Ogień+	Ogień Plus	3x12,5	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	98	33,0	REI60	-
ES/DK/CD60/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	1000	1000	400	glass wool / rockwool	150	10	0,22	98	33,0	REI60	-
ES/DK/CD60/37,5/Twarda	Twarda	3x12,5	DEFH1IR	1000	1000	400	glass wool / rockwool	150	10	0,22	98	42,0	REI60	●
ES/DK/CD60/37,5/Hydro	Hydro	3x12,5	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	98	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida										
		ES/DK/CD60/25/Expert <sup>3)</sup>	ES/DK/CD60/25/Ogień+ <sup>4)</sup>	ES/DK/CD60/25/Twarda	ES/DK/CD60/25/Hydro	ES/DK/CD60/30/Ogień+	ES/DK/CD60/30/Twarda	ES/DK/CD60/30/Hydro	ES/DK/CD60/37,5/Ogień+ <sup>5)</sup>	ES/DK/CD60/37,5/Twarda	ES/DK/CD60/37,5/Hydro	
Consumption of material per 1m²												
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	-
Nida 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	-	-	-	-	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	2,0	-	-	-	-
Nida CD60 profile	lm	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8
Nida UD27 profile	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida ES60 fixing element	pcs.	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6
Nida LW60 lengthwise connector	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Nida LK60 cross connector	pcs.	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2
Expansion plug <sup>7)</sup>	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida 3.5x35 mm wood screws	pcs.	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	20,0	20,0	20,0	20,0	20,0	20,0	20,0	20,0	20,0	20,0	20,0
Nida 3.5x25 mm sheet metal screws	pcs.	6,0	6,0	-	-	6,0	-	-	6,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	18,0	18,0	-	-	-	-	-	6,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	18,0	-	-	-	-	-	-
Nida 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	18,0	-	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	-	6,0	-	-	6,0	-	-	6,0	-	-
FixDens 4.2 x 42 mm screws	pcs.	-	-	18,0	-	-	18,0	-	-	6,0	-	-
FixDens 4.2 x 60 mm screws	pcs.	-	-	-	-	-	-	-	-	18,0	-	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	6,0	-	-	6,0	-	-	6,0	-
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	18,0	-	-	6,0	-
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	18,0	-
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
Nida Start gypsum putty	kg	0,6	0,6	-	-	0,6	-	-	0,9	-	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-	0,1	-	-	-
Nida Hydromix ready-to-use joint filler <sup>8)</sup>	kg	-	-	0,7	0,7	-	0,7	0,7	-	1,0	1,0	-
Vapour barrier <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>9)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.

<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.

<sup>7)</sup> The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.

<sup>8)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.

<sup>9)</sup> Application acc. to the requirements.

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

nida Dach

Fire resistance class:  
REI15  
REI30

Heat transfer coefficient U:  
0,22 W/m²K

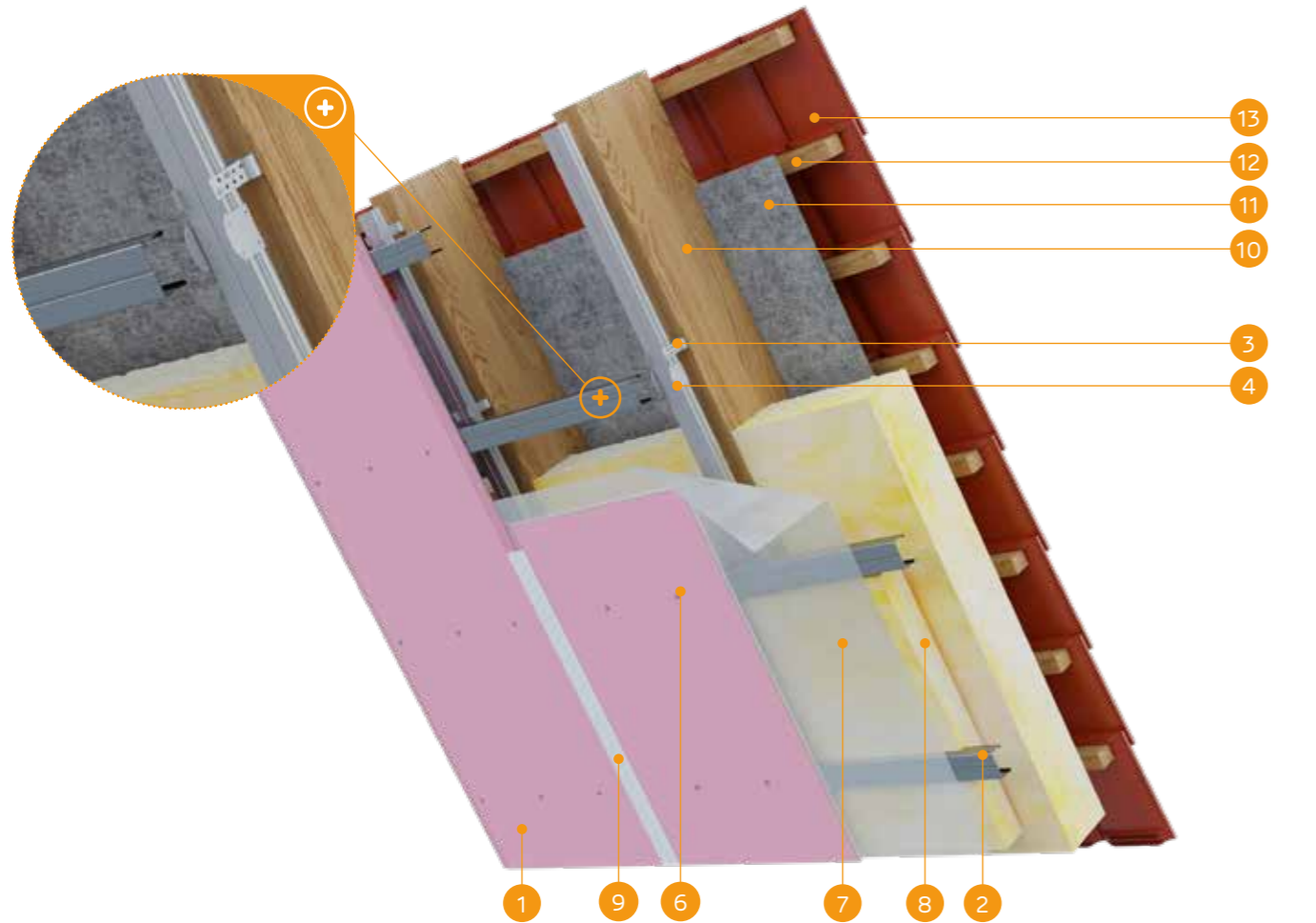
The minimal suspension height:  
73 mm

Weight of 1 m² of encasement:  
11,0-18,0 kg

Number of related document:  
PN-EN 1365-2:2014-12

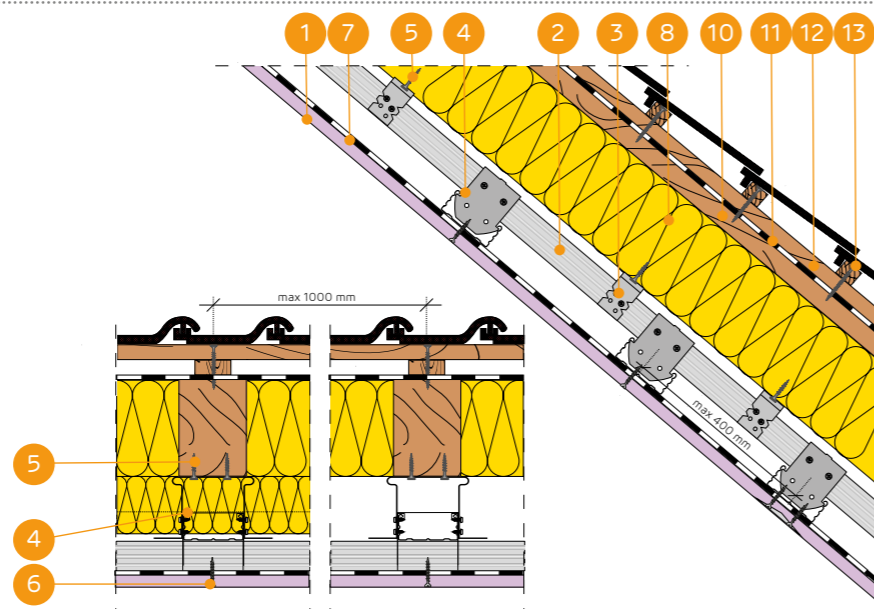
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
EL/DK/CD60/12,5; EL/DK/CD60/15



MATERIALS:

1. Nida plasterboard
2. Nida CD60 profile
3. Nida EL60 flexible fixing element
4. Nida LK60 cross connector
5. Nida 3.5x35 mm wood screws
6. Nida sheet metal screws
7. Vapour barrier
8. Insulation material mineral wool
9. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
10. Roof truss structure
11. Vapour-open membrane
12. Timber structure for roofing (battens, counter-battens)
13. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE CROSS ARRANGEMENT AND WITH THE NIDA EL60 FLEXIBLE FIXING ELEMENTS

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure			Insulation material			Heat transfer coefficient <sup>1)</sup> U	Min. suspension height	Weight of 1m² of encasement <sup>2)</sup>	Fire resistance class <sup>3)</sup>	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Max. spacing of the Nida EL60 fasteners [mm]	Spacing of the Nida CD60 main profiles [mm]	Spacing of the Nida CD60 load-bearing profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
EL/DK/CD60/12,5/Expert	Expert	12,5	A	1000	1000	400	glass wool / rockwool	150	10	0,22	73	11,0	-	-
EL/DK/CD60/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	1000	1000	400	glass wool / rockwool	150	10	0,22	73	11,0	-	-
EL/DK/CD60/12,5/Ogień+	Ogień Plus	12,5	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	73	13,0	REI15	-
EL/DK/CD60/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	1000	1000	400	glass wool / rockwool	150	10	0,22	73	13,0	REI15	-
EL/DK/CD60/12,5/Twarda	Twarda	12,5	DEFH1R	1000	1000	400	glass wool / rockwool	150	10	0,22	73	15,0	REI15	●
EL/DK/CD60/12,5/Hydro	Hydro	12,5	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	73	13,0	REI15	●
EL/DK/CD60/15/Ogień+	Ogień Plus	15,0	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	75	16,0	REI30	-
EL/DK/CD60/15/Twarda	Twarda	15,0	DEFH1R	1000	1000	400	glass wool / rockwool	150	10	0,22	75	18,0	REI30	●
EL/DK/CD60/15/Hydro	Hydro	15,0	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	75	16,0	REI30	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.  
<sup>2)</sup> The weight does not include the weight of the insulation material.  
<sup>3)</sup> Fire classification LBO-039-KZ/21.  
<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida						
		EL/DK/CD60/12,5/Expert <sup>5)</sup>	EL/DK/CD60/12,5/Ogień+ <sup>6)</sup>	EL/DK/CD60/12,5/Twarda	EL/DK/CD60/12,5/Hydro	EL/DK/CD60/15/Ogień+	EL/DK/CD60/15/Twarda	EL/DK/CD60/15/Hydro
		Consumption of material per 1m²						
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-
Nida Ogień Plus 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 CD60 profile	lm	3,8	3,8	3,8	3,8	3,8	3,8	3,8
Nida UD27 profile	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida EL60 flexible fixing element	pcs.	1,6	1,6	1,6	1,6	1,6	1,6	1,6
Nida LW60 lengthwise connector	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Nida LK60 cross connector	pcs.	3,2	3,2	3,2	3,2	3,2	3,2	3,2
Expansion plug <sup>7)</sup>	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida 3.5x35 mm wood screws	pcs.	3,2	3,2	3,2	3,2	3,2	3,2	3,2
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	20,0	20,0	20,0	20,0	20,0	20,0	20,0
Nida 3.5x25 mm sheet metal screws	pcs.	18,0	18,0	-	-	18,0	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	-	18,0	-	-	18,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	18,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida Start gypsum putty	kg	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler <sup>8)</sup>	kg	-	-	0,4	0,4	-	0,4	0,4
Vapour barrier <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>9)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.  
<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.  
<sup>7)</sup> The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.  
<sup>8)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.  
<sup>9)</sup> Application acc. to the requirements.  
 The standards concerning the amount of utilised material do not cover the loss of the material.

nida Dach



Fire resistance class:  
REI45  
REI60



Heat transfer coefficient U:  
0,22 W/m²K



The minimal suspension height:  
85 mm



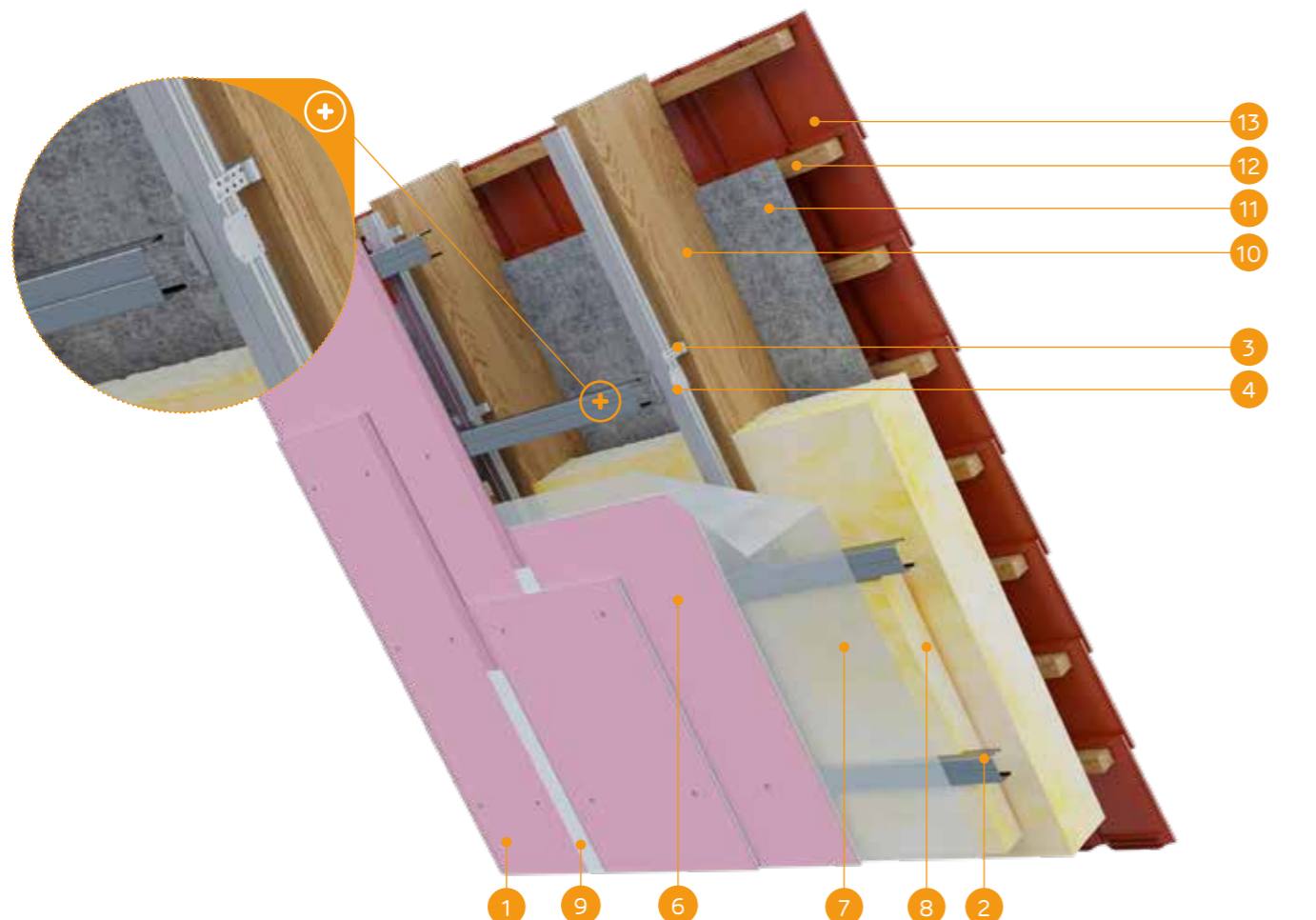
Weight of 1 m² of encasement:  
19,0-42,0 kg



Number of related document:  
PN-EN 1365-2:2014-12

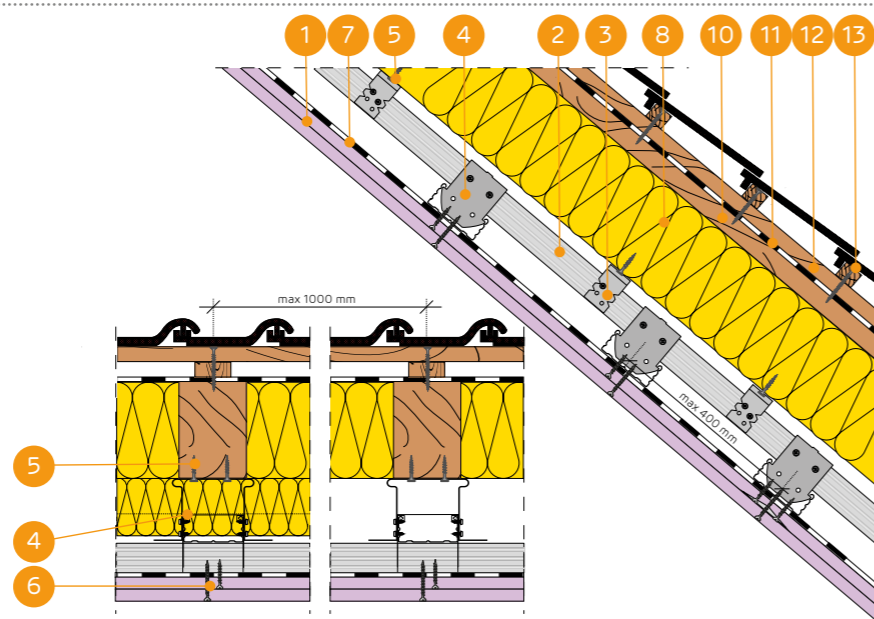
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
EL/DK/CD60/25; EL/DK/CD60/30; EL/DK/CD60/37,5



MATERIALS:

1. Nida plasterboard
2. Nida CD60 profile
3. Nida EL60 flexible fixing element
4. Nida LK60 cross connector
5. Nida 3.5x35 mm wood screws
6. Nida sheet metal screws
7. Vapour barrier
8. Insulation material mineral wool
9. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
10. Roof truss structure
11. Vapour-open membrane
12. Timber structure for roofing (battens, counter-battens)
13. Roofing



## THE INCLINED ROOF ENCASEMENT SYSTEM ON THE NIDA CD60 PROFILES IN THE CROSS ARRANGEMENT AND WITH THE NIDA EL60 FLEXIBLE FIXING ELEMENTS

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure			Insulation material			Heat transfer coefficient <sup>1)</sup> U	Min. suspension height	Weight of 1m² of encasement <sup>2)</sup>	Fire resistance class <sup>3)</sup>	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Max. spacing of the Nida EL60 fasteners [mm]	Spacing of the Nida CD60 main profiles [mm]	Spacing of the Nida CD60 load-bearing profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
EL/DK/CD60/25/Expert	Expert	2x12,5	A	1000	1000	400	glass wool / rockwool	150	10	0,22	85	19,0	-	-
EL/DK/CD60/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	1000	1000	400	glass wool / rockwool	150	10	0,22	85	20,0	-	-
EL/DK/CD60/25/Ogień+	Ogień Plus	2x12,5	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	85	23,0	REI45	-
EL/DK/CD60/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	1000	1000	400	glass wool / rockwool	150	10	0,22	85	23,0	REI45	-
EL/DK/CD60/25/Twarda	Twarda	2x12,5	DEFH1R	1000	1000	400	glass wool / rockwool	150	10	0,22	85	28,0	REI45	●
EL/DK/CD60/25/Hydro	Hydro	2x12,5	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	85	24,0	REI45	●
EL/DK/CD60/30/Ogień+	Ogień Plus	2x15,0	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	90	30,0	REI60	-
EL/DK/CD60/30/Twarda	Twarda	2x15,0	DEFH1R	1000	1000	400	glass wool / rockwool	150	10	0,22	90	34,0	REI60	●
EL/DK/CD60/30/Hydro	Hydro	2x15,0	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	90	30,0	REI60	●
EL/DK/CD60/37,5/Ogień+	Ogień Plus	3x12,5	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	98	33,0	REI60	-
EL/DK/CD60/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	1000	1000	400	glass wool / rockwool	150	10	0,22	98	33,0	REI60	-
EL/DK/CD60/37,5/Twarda	Twarda	3x12,5	DEFH1R	1000	1000	400	glass wool / rockwool	150	10	0,22	98	42,0	REI60	●
EL/DK/CD60/37,5/Hydro	Hydro	3x12,5	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	98	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida										
		EL/DK/CD60/25/Expert <sup>5)</sup>	EL/DK/CD60/25/Ogień+ <sup>6)</sup>	EL/DK/CD60/25/Twarda	EL/DK/CD60/25/Hydro	EL/DK/CD60/30/Ogień+	EL/DK/CD60/30/Twarda	EL/DK/CD60/30/Hydro	EL/DK/CD60/37,5/Ogień+ <sup>6)</sup>	EL/DK/CD60/37,5/Twarda	EL/DK/CD60/37,5/Hydro	
Consumption of material per 1m²												
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	-
Nida 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	-	-	-	-	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	2,0	-	-	-	-
Nida CD60 profile	lm	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8
Nida UD27 profile	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida EL60 flexible fixing element	pcs.	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6
Nida LW60 lengthwise connector	pcs.	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Nida LK60 cross connector	pcs.	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2
Expansion plug <sup>7)</sup>	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida 3.5x35 mm wood screws	pcs.	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	20,0	20,0	20,0	20,0	20,0	20,0	20,0	20,0	20,0	20,0	20,0
Nida 3.5x25 mm sheet metal screws	pcs.	6,0	6,0	-	-	6,0	-	-	6,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	18,0	18,0	-	-	-	-	-	6,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	18,0	-	-	-	-	-	-
Nida 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	18,0	-	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	-	6,0	-	-	-	6,0	-	-	6,0	-
FixDens 4.2 x 42 mm screws	pcs.	-	-	18,0	-	-	-	18,0	-	-	6,0	-
FixDens 4.2 x 60 mm screws	pcs.	-	-	-	-	-	-	-	-	-	18,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	6,0	-	-	-	6,0	-	-	6,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	-	18,0	-	-	6,0
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	-	18,0
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
Nida Start gypsum putty	kg	0,6	0,6	-	-	0,6	-	-	-	-	0,9	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-	-	-	0,1	-
Nida Hydromix ready-to-use joint filler <sup>8)</sup>	kg	-	-	0,7	0,7	-	0,7	0,7	-	-	1,0	1,0
Vapour barrier <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>9)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.

<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.

<sup>7)</sup> The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.

<sup>8)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.

<sup>9)</sup> Application acc. to the requirements.

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

nida Dach

Fire resistance class:  
REI15  
REI30

Heat transfer coefficient U:  
0,22 W/m²K

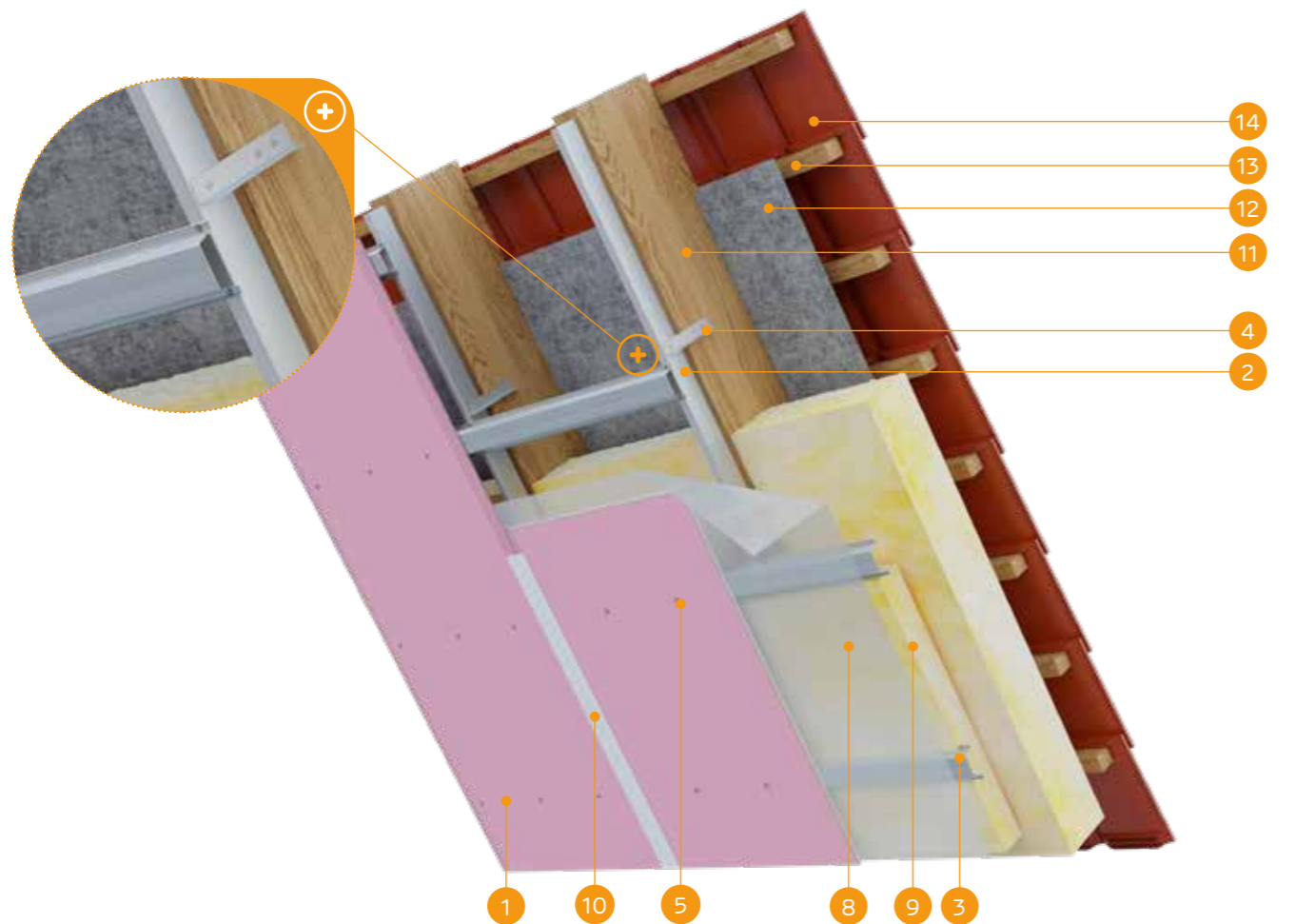
The minimal suspension height:  
82,5 mm

Weight of 1 m² of encasement:  
11,0-18,0 kg

Number of related document:  
PN-EN 1365-2:2014-12

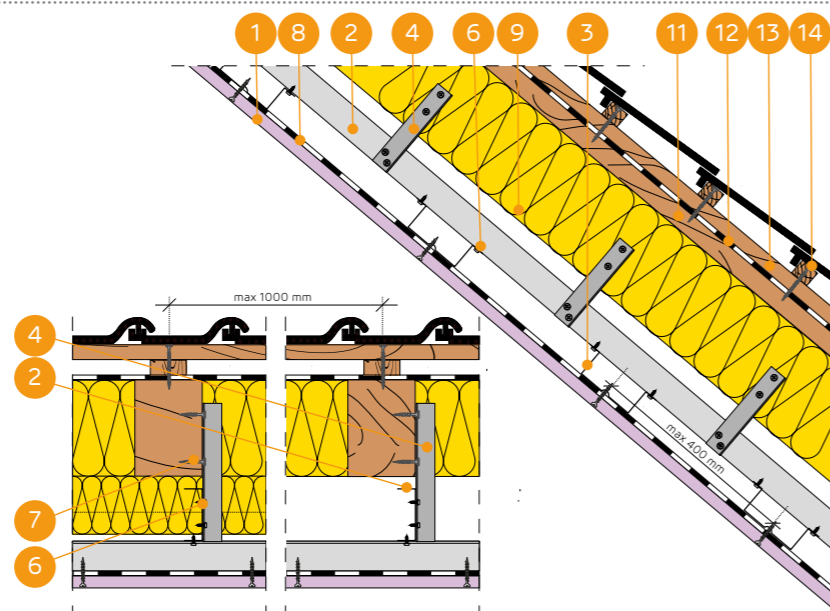
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
DK/MFC/12,5; DK/MFC/15



MATERIALS:

1. Nida plasterboard
2. Nida MFCP44 main profile
3. Nida MFCC50 ceiling profile
4. Nida MFC2330 angle profile
5. Nida sheet metal screws
6. FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal
7. Nida 3.5x35 mm wood screws
8. Vapour barrier
9. Insulation material mineral wool
10. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
11. Roof truss structure
12. Vapour-open membrane
13. Timber structure for roofing (battens, counter-battens)
14. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON THE MF PROFILES IN THE CROSS ARRANGEMENT AND WITH THE NIDA MFC 2330 ANGLE PROFILES

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure			Insulation material			Heat transfer coefficient <sup>1)</sup> U	Min. suspension height	Weight of 1m² of encasement <sup>2)</sup>	Fire resistance class <sup>3)</sup>	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Spacing of the MFC2330 hangers [mm]	Max. spacing of the Nida MFCP44 main profiles [mm]	Max. spacing of the Nida MFCC50 load-bearing profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
DK/MFC/12,5/Expert	Expert	12,5	A	1000	1000	400	glass wool / rockwool	150	10	0,22	82,5	11,0	-	-
DK/MFC/12,5/Woda <sup>4)</sup>	Woda	12,5	H2	1000	1000	400	glass wool / rockwool	150	10	0,22	82,5	11,0	-	-
DK/MFC/12,5/Ogień+	Ogień Plus	12,5	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	82,5	13,0	REI15	-
DK/MFC/12,5/WodaOgień+	Woda Ogień Plus	12,5	DFH2	1000	1000	400	glass wool / rockwool	150	10	0,22	82,5	13,0	REI15	-
DK/MFC/12,5/Twarda	Twarda	12,5	DEFH1R	1000	1000	400	glass wool / rockwool	150	10	0,22	82,5	15,0	REI15	●
DK/MFC/12,5/Hydro	Hydro	12,5	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	82,5	13,0	REI15	●
DK/MFC/15/Ogień+	Ogień Plus	15,0	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	85	16,0	REI30	-
DK/MFC/15/Twarda	Twarda	15,0	DEFH1R	1000	1000	400	glass wool / rockwool	150	10	0,22	85	18,0	REI30	●
DK/MFC/15/Hydro	Hydro	15,0	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	85	16,0	REI30	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida						
		DK/MFC/12,5/Expert <sup>5)</sup>	DK/MFC/12,5/Ogień+ <sup>6)</sup>	DK/MFC/12,5/Twarda	DK/MFC/12,5/Hydro	DK/MFC/15/Ogień+	DK/MFC/15/Twarda	DK/MFC/15/Hydro
		Consumption of material per 1m²						
Nida Expert 12.5 mm plasterboard	m²	1,0	-	-	-	-	-	-
Nida Ogień Plus 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 MFCE26 profile	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida MFCP44 profile	lm	1,3	1,3	1,3	1,3	1,3	1,3	1,3
Nida MFCC50 profile	lm	2,6	2,6	2,6	2,6	2,6	2,6	2,6
MFC2330 ceiling angle profile	pcs.	0,5	0,5	0,5	0,5	0,5	0,5	0,5
Expansion plug <sup>7)</sup>	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida 3.5x35 mm wood screws	pcs.	3,1	3,1	3,1	3,1	3,1	3,1	3,1
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	11,0	11,0	11,0	11,0	11,0	11,0	11,0
Nida 3.5x25 mm sheet metal screws	pcs.	18,0	18,0	-	-	18,0	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	-	18,0	-	-	18,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	18,0
Nida reinforcement tape	lm	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Nida Start gypsum putty	kg	0,3	0,3	-	-	0,3	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-
Nida Hydromix ready-to-use joint filler <sup>8)</sup>	kg	-	-	0,4	0,4	-	0,4	0,4
Vapour barrier <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>9)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.

<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.

<sup>7)</sup> The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.

<sup>8)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.

<sup>9)</sup> Application acc. to the requirements.

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

nida Dach



Fire resistance class:  
REI45  
REI60



Heat transfer coefficient U:  
0,22 W/m²K



The minimal suspension height:  
95 mm



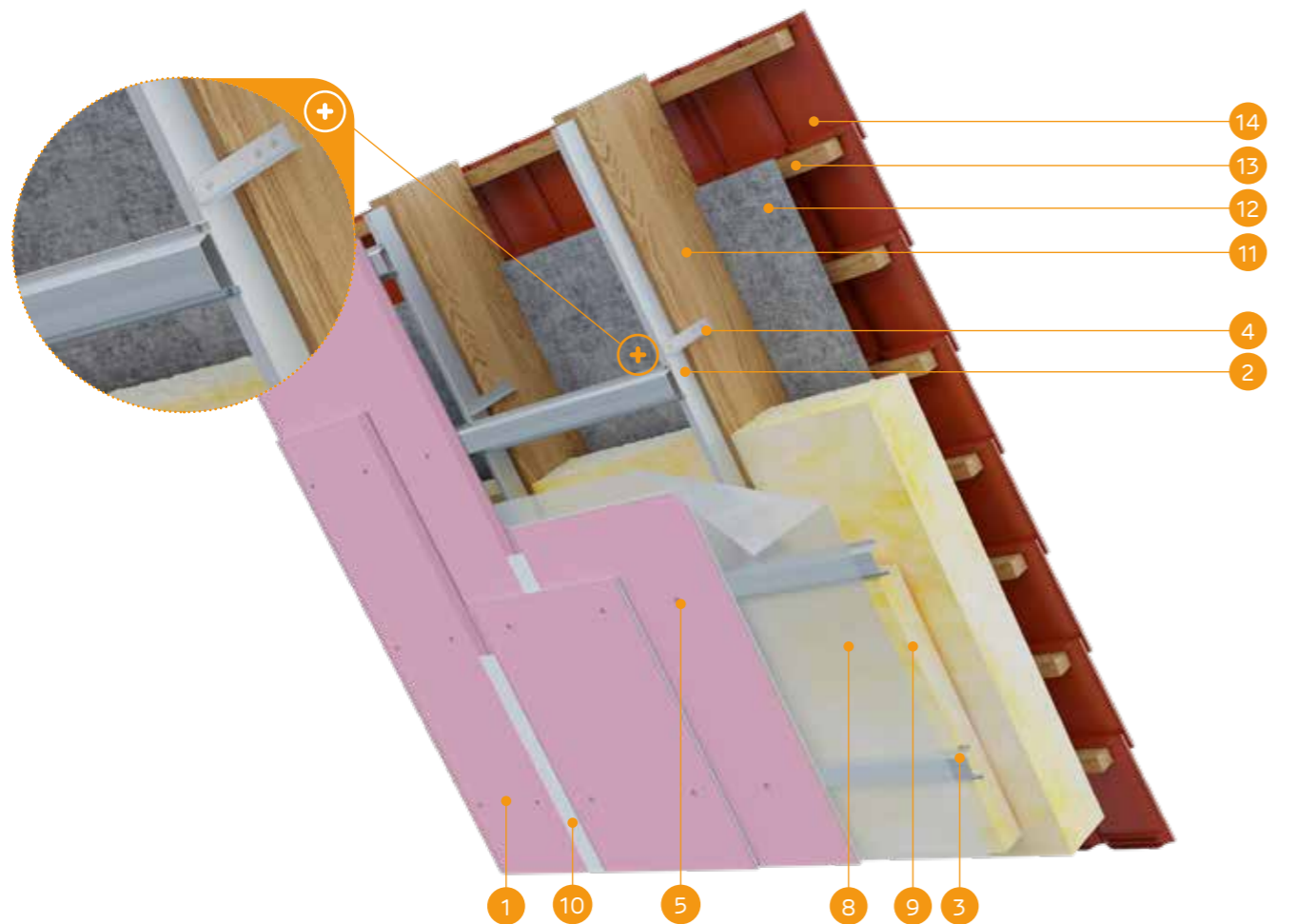
Weight of 1 m² of encasement:  
19,0-42,0 kg



Number of related document:  
PN-EN 1365-2:2014-12

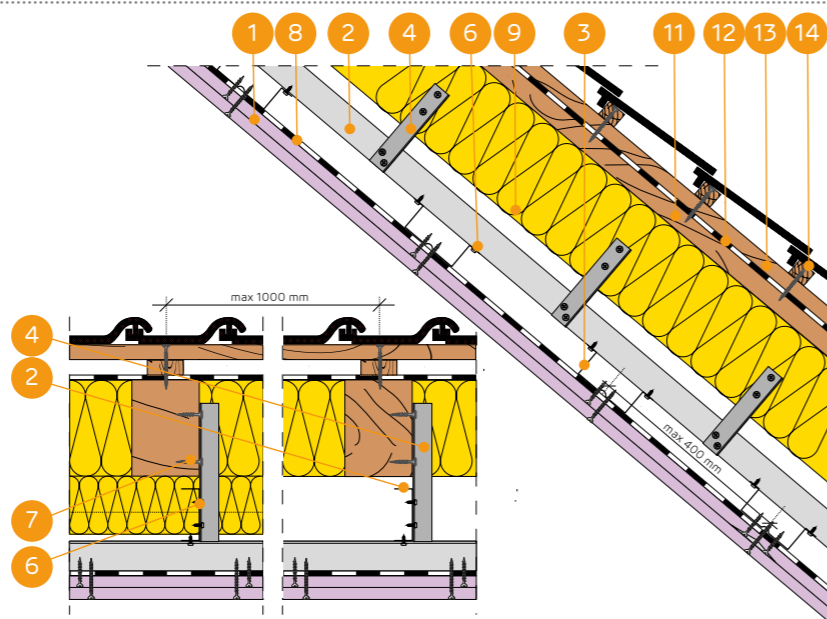
Fire classification:  
LBO-039-KZ/21

SYSTEMS:  
DK/MFC/25; DK/MFC/30; DK/MFC/37,5



MATERIALS:

1. Nida plasterboard
2. Nida MFCP44 main profile
3. Nida MFCC50 ceiling profile
4. Nida MFC2330 angle profile
5. Nida sheet metal screws
6. FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal
7. Nida 3.5x35 mm wood screws
8. Vapour barrier
9. Insulation material mineral wool
10. The joint between the plasterboards filled with the e.g. Nida Start gypsum putty and Nida reinforcement tape + Nida Finish gypsum putty
11. Roof truss structure
12. Vapour-open membrane
13. Timber structure for roofing (battens, counter-battens)
14. Roofing



THE INCLINED ROOF ENCASEMENT SYSTEM ON THE MF PROFILES IN THE CROSS ARRANGEMENT AND WITH THE NIDA MFC 2330 ANGLE PROFILES

TECHNICAL PARAMETERS

Nida Dach system name	Plasterboard sheathing			Load-bearing structure			Insulation material			Heat transfer coefficient <sup>1)</sup> U [W/m²K]	Min. suspension height [mm]	Weight of 1m² of encasement <sup>2)</sup> [kg]	Fire resistance class <sup>3)</sup> [min]	Special system
	Nida	Thickness [mm]	Marking acc. to standard	Spacing of the MFC2330 hangers [mm]	Max. spacing of the Nida MFCP44 main profiles [mm]	Max. spacing of the Nida MFCC50 load-bearing profiles [mm]	Mineral wool	Thickness [mm]	Density [kg/m³]					
DK/MFC/25/Expert	Expert	2x12,5	A	1000	1000	400	glass wool / rockwool	150	10	0,22	95	19,0	-	-
DK/MFC/25/Woda <sup>4)</sup>	Woda	2x12,5	H2	1000	1000	400	glass wool / rockwool	150	10	0,22	95	20,0	-	-
DK/MFC/25/Ogień+	Ogień Plus	2x12,5	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	95	23,0	REI45	-
DK/MFC/25/WodaOgień+	Woda Ogień Plus	2x12,5	DFH2	1000	1000	400	glass wool / rockwool	150	10	0,22	95	23,0	REI45	-
DK/MFC/25/Twarda	Twarda	2x12,5	DEFH1IR	1000	1000	400	glass wool / rockwool	150	10	0,22	95	28,0	REI45	●
DK/MFC/25/Hydro	Hydro	2x12,5	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	95	24,0	REI45	●
DK/MFC/30/Ogień+	Ogień Plus	2x15,0	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	100	30,0	REI60	-
DK/MFC/30/Twarda	Twarda	2x15,0	DEFH1IR	1000	1000	400	glass wool / rockwool	150	10	0,22	100	34,0	REI60	●
DK/MFC/30/Hydro	Hydro	2x15,0	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	100	30,0	REI60	●
DK/MFC/37,5/Ogień+	Ogień Plus	3x12,5	DF	1000	1000	400	glass wool / rockwool	150	10	0,22	107,5	33,0	REI60	-
DK/MFC/37,5/WodaOgień+	Woda Ogień Plus	3x12,5	DFH2	1000	1000	400	glass wool / rockwool	150	10	0,22	107,5	33,0	REI60	-
DK/MFC/37,5/Twarda	Twarda	3x12,5	DEFH1IR	1000	1000	400	glass wool / rockwool	150	10	0,22	107,5	42,0	REI60	●
DK/MFC/37,5/Hydro	Hydro	3x12,5	GMFH1I	1000	1000	400	glass wool / rockwool	150	10	0,22	107,5	36,0	REI60	●

<sup>1)</sup> The heat transfer coefficient for the 200 mm thick mineral wool.

<sup>2)</sup> The weight does not include the weight of the insulation material.

<sup>3)</sup> Fire classification LBO-039-KZ/21.

<sup>4)</sup> 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 INCLINED ROOF ENCASEMENT CONSTRUCTED ACCORDING TO THE NIDA DACH SYSTEM

Material name	UM	System type Nida										
		DK/MFC/25/Expert <sup>5)</sup>	DK/MFC/25/Ogień+ <sup>6)</sup>	DK/MFC/25/Twarda	DK/MFC/25/Hydro	DK/MFC/30/Ogień+	DK/MFC/30/Twarda	DK/MFC/30/Hydro	DK/MFC/37,5/Ogień+ <sup>6)</sup>	DK/MFC/37,5/Twarda	DK/MFC/37,5/Hydro	
Consumption of material per 1m²												
Nida Expert 12.5 mm plasterboard	m²	2,0	-	-	-	-	-	-	-	-	-	-
Nida 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 Ogień Plus 15.0 mm plasterboard	m²	-	-	-	-	2,0	-	-	-	-	-	-
Nida Twarda 15.0 mm plasterboard	m²	-	-	-	-	-	2,0	-	-	-	-	-
Nida Hydro 15.0 mm plasterboard	m²	-	-	-	-	-	-	2,0	-	-	-	-
Nida MFCE26 profile	lm	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida MFCP44 profile	lm	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3
Nida MFCC50 profile	lm	2,6	2,6	2,6	2,6	2,6	2,6	2,6	2,6	2,6	2,6	2,6
MFC2330 ceiling angle profile	pcs.	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
Expansion plug <sup>7)</sup>	pcs.	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Nida 3.5x35 mm wood screws	pcs.	3,1	3,1	3,1	3,1	3,1	3,1	3,1	3,1	3,1	3,1	3,1
FLAT HEAD 4.2x13 mm self-drilling screws for 1 mm sheet metal	pcs.	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0
Nida 3.5x25 mm sheet metal screws	pcs.	6,0	6,0	-	-	6,0	-	-	6,0	-	-	-
Nida 3.5x35 mm sheet metal screws	pcs.	18,0	18,0	-	-	-	-	-	6,0	-	-	-
Nida 3.5x45 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	-	-
Nida 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	18,0	-	-
FixDens 4.2 x 25 mm screws	pcs.	-	-	6,0	-	-	-	6,0	-	-	6,0	-
FixDens 4.2 x 42 mm screws	pcs.	-	-	18,0	-	-	-	18,0	-	-	6,0	-
FixDens 4.2 x 60 mm screws	pcs.	-	-	-	-	-	-	-	-	-	18,0	-
Nida Hydro C5 3.5x25 mm sheet metal screws	pcs.	-	-	-	6,0	-	-	6,0	-	-	-	6,0
Nida Hydro C5 3.5x41 mm sheet metal screws	pcs.	-	-	-	18,0	-	-	18,0	-	-	-	6,0
Nida Hydro C5 3.5x55 mm sheet metal screws	pcs.	-	-	-	-	-	-	-	-	-	-	18,0
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
Nida Start gypsum putty	kg	0,6	0,6	-	-	0,6	-	-	0,9	-	-	-
Nida Finish gypsum putty	kg	0,1	0,1	-	-	0,1	-	-	0,1	-	-	-
Nida Hydromix ready-to-use joint filler <sup>8)</sup>	kg	-	-	0,7	0,7	-	-	0,7	0,7	-	1,0	1,0
Vapour barrier <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Mineral wool <sup>9)</sup>	m²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Vapour-open membrane <sup>9)</sup>	m²	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1

<sup>5)</sup> As an alternative the Nida Woda should be utilised.

<sup>6)</sup> As an alternative the Nida Woda Ogień Plus should be utilised.

<sup>7)</sup> The type of the anchoring element should be selected individually adequately for the substrate type and the total mass of the encasement.

<sup>8)</sup> For the Nida Twarda plaster-particle boards with fibres the Nida Max gypsum putty should be utilised.

<sup>9)</sup> Application acc. to the requirements.

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