

# CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-233.0-01

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 09 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

## **Knauf Insulation mineral wool products**

Thermal insulation products for buildings  
Factory made mineral wool products (MW) according to EN 13162:2012+A1:2015  
(details see annex A for standard building products with ECOSE® Technology,  
annex B for standard building products with conventional binder,  
annex C for OEM products with ECOSE® Technology;  
annex D for OEM products with conventional binder)

produced by or for

## **Knauf Insulation d.o.o.**

Batajnicket drum 16b, 11080, Belgrade, Serbia  
and produced in the manufacturing plant(s)

## **Knauf Insulation - plant Surdulica, Belo Polje bb, 17530, Surdulica, Serbia**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standards(s)

**EN 13162:2012+A1:2015**

under **System 1** are applied and that

**the products fulfil all the prescribed requirements set out above.**

This certificate was first issued on 28 February 2017 will be annually confirmed after successful audit and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly, but not longer than 31.12.2021.

Gräfelfing, 28 February 2017



Dipl.-Ing. (FH) Wolfgang Albrecht  
Head of Certification Body

# ANNEX TO CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-233.0-01 Annex A Line 1

**Factory:** Knauf Insulation - plant Surdulica, Belo Polje bb, 17530, Surdulica, Serbia

**Construction product(s):** Factory made mineral wool products (MW) according EN 13162:2012 + A1:2015 with ECOSE® Technology without phenol formaldehyde binder

**Intended use:** Thermal insulation products for buildings

**Level(s) or class(es)  
Reaction to fire:** For uses subject to regulations of reaction to fire A1, A2, B, C.  
Products for which a clearly identifiable stage in the production process results in the reaction to fire classification

**Attestation of conformity system: 1**

Table 1: Description of the products - standard building products -

No.	Product			Classification				
	Name	Description	Thickness Range [mm]	Reaction to Fire Class	Facing	Density Range [kg/m <sup>3</sup> ]	Loss of Ignition [kg/m <sup>3</sup> ]	Thickness Range [mm]
1	NaturBoard ECO	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
2	NaturBoard FIT	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
3	NaturBoard FIT-G	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
4	NaturBoard FIT PLUS	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
5	NaturBoard FIT-G PLUS	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
6	NaturBoard VENTI	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
7	NaturBoard VENTACUSTO	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
8	NaturBoard VENTACUSTO	Board	20-200	A1	(1), (2), (3)	≤ 187	≤ 8.7	any
9	NaturBoard VENTI PLUS	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
10	NaturBoard VENTI PLUS	Board	20-200	A1	(1), (2), (3)	≤ 187	≤ 8.7	any
11	NaturBoard TF	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
12	NaturBoard TF	Board	20-200	A1	(1), (2), (3)	≤ 187	≤ 8.7	any
13	NaturBoard POD	Board	20-50	A1	(-)	≤ 187	≤ 8.7	any
14	NaturBoard POD STANDARD	Board	20-60	A1	(-)	≤ 187	≤ 8.7	any
15	NaturBoard POD PLUS	Board	20-50	A1	(-)	≤ 187	≤ 8.7	any
16	NaturBoard POD EXTRA	Board	20-80	A1	(-)	≤ 187	≤ 8.7	any
17	FKD	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
18	FKD-S	Board	30-200	A1	(-)	≤ 187	≤ 8.7	any

(-) no facing/coating (classification report no. CR P 1037/15-530-4)

(2) GVB = glass veil black (classification report no. CR P 1037/15-530-4)

(1) GVN = glass veil white (classification report no. CR P 1037/15-530-4)

(3) ALU = aluminum foil (classification report no. CR P 1037/15-530-4)

Note: All products can have the following suffix: ECOSE, with ECOSE Technology, with E-Technology

A publication of extracts or a referring to the Certificate of Constancy of Performance and its annex requires the prior written approval of FIW München

Table 1 - standard building products (continued):

No.	Product			Classification				
	Name	Description	Thickness Range [mm]	Reaction to Fire Class	Facing	Density Range [kg/m³]	Loss of Ignition [kg/m³]	Thickness Range [mm]
19	FKD-S	Board	30-200	A1	(1), (2), (3)	≤ 187	≤ 8.7	any
20	FKD-S Thermal	Board	30-200	A1	(-)	≤ 187	≤ 8.7	any
21	FKD-S Thermal	Board	30-200	A1	(1), (2), (3)	≤ 187	≤ 8.7	any
22	FKD-N	Board	80-200	A1	(-)	≤ 187	≤ 8.7	any
23	FKD-N Thermal	Board	80-200	A1	(1), (2), (3)	≤ 187	≤ 8.7	any
24	FKD-N Thermal 2	Double density board	80-200	A1	(-)	≤ 187	≤ 8.7	any
25	FKL Thermal	Lamella	40-200	A1	(-)	≤ 187	≤ 8.7	any
26	SmartWall N	Board	80-200	A1	(-)	≤ 187	≤ 8.7	any
27	SmartWall L	Lamella	40-200	A1	(-)	≤ 187	≤ 8.7	any
28	SmartWall S	Board	40-200	A1	(-)	≤ 187	≤ 8.7	any
29	SmartWall S	Board	40-200	A1	(1), (2), (3)	≤ 187	≤ 8.7	any
30	DDP 2U	Double density board	60-200	A1	(-)	≤ 187	≤ 8.7	any
31	DDP 2	Double density board	60-200	A1	(-)	≤ 187	≤ 8.7	any
32	DDP X	Board	50-80	A1	(-)	≤ 187	≤ 8.7	any
33	SmartRoof Top	Board	40-200	A1	(-)	≤ 187	≤ 8.7	any
34	SmartRoof Norm	Board	40-200	A1	(-)	≤ 187	≤ 8.7	any
35	SmartRoof Thermal	Board	30-200	A1	(-)	≤ 187	≤ 8.7	any
36	SmartRoof Base	Board	40-200	A1	(-)	≤ 187	≤ 8.7	any
37	SmartRoof Eco	Board	80-200	A1	(-)	≤ 187	≤ 8.7	any
38	SmartRoof Thermal 2	Double density board	80-200	A1	(-)	≤ 187	≤ 8.7	any
39	SmartRoof Base 2	Double density board	80-200	A1	(-)	≤ 187	≤ 8.7	any
40	SmartRoof Top CTF1	Cut to fall boards (one slope 0,5-10%)	20-200	A1	(-)	≤ 187	≤ 8.7	any
41	SmartRoof Top CTF2	Cut to fall boards (one slope 0,5-10%)	20-200	A1	(-)	≤ 187	≤ 8.7	any
42	BL D80	Board	140-210	A1	(-)	≤ 187	≤ 8.7	any
43	Panneaux Cheminee DP-9 Alu	Board	20-200	A1	(3)	≤ 187	≤ 8.7	any
44	Chimenea S DP 10 Alu	Board	20-200	A1	(3)	≤ 187	≤ 8.7	any
45	EXPERT CFB 036	Board	60-150	A1	(-)	≤ 187	≤ 8.7	any
46	EXPERT CHB 035 Alu	Board	30	A1	(3)	≤ 187	≤ 8.7	any
47	EXPERT LRB 038	Board	50-100	A1	(-)	≤ 187	≤ 8.7	any
48	EXPERT LRB 039	Board	20-40	A1	(-)	≤ 187	≤ 8.7	any
49	EXPERT CFB 035	Board	60-200	A1	(-)	≤ 187	≤ 8.7	any

(-) no facing/coating (classification report no. CR P 1037/15-530-4)

(1) GVN = glass veil white (classification report no. CR P 1037/15-530-4)

(2) GVB = glass veil black (classification report no. CR P 1037/15-530-4)

(3) ALU = aluminum foil (classification report no. CR P 1037/15-530-4)

Note: All products can have the following suffix: ECOSE, with ECOSE Technology, with E-Technology

Gräfelfing, 28 February 2017



1508 Dipl.-Ing. (FH) Wolfgang Albrecht  
Head of Certification Body

A publication of extracts or a referring to the Certificate of Constancy of Performance and its annex requires the prior written approval of FIW München

# ANNEX TO CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-233.0-01 Annex B Line 1

**Factory:** Knauf Insulation - plant Surdulica, Belo Polje bb, 17530, Surdulica, Serbia

**Construction product(s):** Factory made mineral wool products (MW) according  
EN 13162:2012 + A1:2015 with conventional binder

**Intended use:** Thermal insulation products for buildings

**Level(s) or class(es)  
Reaction to fire:** For uses subject to regulations of reaction to fire A1, A2, B, C.  
Products for which a clearly identifiable stage in the production process  
results in the reaction to fire classification

**Attestation of conformity system: 1**

Table 1: Description of the products - standard building products -

No.	Product			Classification				
	Name	Description	Thickness Range [mm]	Reaction to Fire Class	Facing	Density Range [kg/m <sup>3</sup> ]	Loss of Ignition [mass%]	Thickness Range [mm]
1	FKD	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
2	FKD-S	Board	30-200	A1	(-)	≤ 190	≤ 4.6	any
3	FKD-S	Board	30-200	A1	(3)	≤ 100	≤ 3.8	any
4	FKD-S Thermal	Board	30-200	A1	(-)	≤ 190	≤ 4.6	any
5	FKD-S Thermal	Board	30-200	A1	(3)	≤ 100	≤ 3.8	any
6	FKD-N	Board	80-200	A1	(-)	≤ 190	≤ 4.6	any
7	FKD-N Thermal	Board	80-200	A1	(-)	≤ 190	≤ 4.6	any
8	FKD-N Thermal 2	Double density board	80-200	A1	(-)	≤ 190	≤ 4.6	any
9	FKL Thermal	Board	40-200	A1	(3)	≤ 100	≤ 3.8	any
10	SmartWall N	Board	80-200	A1	(-)	≤ 190	≤ 4.6	any
11	SmartWall L	Board	40-200	A1	(3)	≤ 100	≤ 3.8	any
12	SmartWall S	Board	40-200	A1	(-)	≤ 190	≤ 4.6	any
13	SmartWall S	Board	40-200	A1	(3)	≤ 100	≤ 3.8	any
14	DDP 2U	Double density board	60-200	A1	(-)	≤ 190	≤ 4.6	any
15	DDP 2	Double density board	60-200	A1	(-)	≤ 190	≤ 4.6	any
16	DDP X	Board	50-80	A1	(-)	≤ 190	≤ 4.6	any
17	SmartRoof Top	Board	40-200	A1	(-)	≤ 190	≤ 4.6	any
18	SmartRoof Norm	Board	40-200	A1	(-)	≤ 190	≤ 4.6	any
19	SmartRoof Thermal	Board	30-200	A1	(-)	≤ 190	≤ 4.6	any

(-) no facing/coating (classification report no. KB-Hoch-13928-2)

(3) ALU = aluminum foil (classification report no. KB-Hoch-13924)

Table 1 - standard building products - (continued):

No.	Product		Classification					
	Name	Description	Thickness Range [mm]	Reaction to Fire Class	Facing	Density Range [kg/m <sup>3</sup> ]	Loss of Ignition [mass%]	Thickness Range [mm]
20	SmartRoof Base	Board	40-200	A1	(-)	≤ 190	≤ 4.6	any
21	SmartRoof Eco	Board	40-200	A1	(-)	≤ 190	≤ 4.6	any
22	SmartRoof Thermal 2	Double density board	80-200	A1	(-)	≤ 190	≤ 4.6	any
23	SmartRoof Base 2	Double density board	80-200	A1	(-)	≤ 190	≤ 4.6	any
24	SmartRoof Top CTF1	Cut to fall boards (one slope 0,5-10%)	20-200	A1	(-)	≤ 190	≤ 4.6	any
25	SmartRoof Top CTF2	Cut to fall boards (one slope 0,5-10%)	20-200	A1	(-)	≤ 190	≤ 4.6	any
26	BL D80	Board	140-210	A1	(-)	≤ 190	≤ 4.6	any
27	Panneaux Cheminee DP-9 Alu	Board	20-200	A1	(3)	≤ 100	≤ 3.8	any
28	Chimenea S DP 10 Alu	Board	20-200	A1	(3)	≤ 100	≤ 3.8	any
29	EXPERT CFB 036	Board	60-150	A1	(-)	≤ 190	≤ 4.6	any
30	EXPERT CHB 035 Alu	Board	30	A1	(3)	≤ 187	≤ 8.7	any
31	EXPERT LRB 038	Board	50-100	A1	(-)	≤ 190	≤ 4.6	any
32	EXPERT LRB 039	Board	20-40	A1	(-)	≤ 190	≤ 4.6	any
33	EXPERT CFB 035	Board	60-200	A1	(-)	≤ 190	≤ 4.6	any

(-) no facing/coating (classification report no. KB-Hoch-13928-2)

(3) ALU = aluminum foil (classification report no. KB-Hoch-13924)

Gräfelfing, 28 February 2017



*W. Albrecht*  
Dipl.-Ing. (FH) Wolfgang Albrecht  
Head of Certification Body

# ANNEX TO CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-233.0-01 Annex C Line 1

**Factory:** Knauf Insulation - plant Surdulica, Belo Polje bb, 17530, Surdulica, Serbia

**Construction product(s):** Factory made mineral wool products (MW) according EN 13162:2012 + A1:2015 with ECOSE® Technology without phenol formaldehyde binder

**Intended use:** Thermal insulation products for buildings

**Level(s) or class(es)  
Reaction to fire:** For uses subject to regulations of reaction to fire A1, A2, B, C.  
Products for which a clearly identifiable stage in the production process results in the reaction to fire classification

**Attestation of conformity system: 1**

Table 1: Description of the products - OEM products -

No.	Product			Classification				
	Name	Description	Thickness Range [mm]	Reaction to Fire Class	Facing	Density Range [kg/m <sup>3</sup> ]	Loss of Ignition [kg/m <sup>3</sup> ]	Thickness Range [mm]
1	Board D3	Board	30-200	A1	(-)	≤ 187	≤ 8.7	any
2	Board D4	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
3	Board D5	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
4	Board D6	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
5	Board D7	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
6	Board D8	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
7	Board D9	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
8	Board D10	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
9	Board D11	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
10	Board D12	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
11	Board D13	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
12	Board D14	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
13	Board D15	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
14	Board D16	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
15	Board D17	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
16	Board D18	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
17	Board D19	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
18	Board Basic	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any

(-) no facing/coating (classification report no. CR P 1037/15-530-4)

Note: All products can have the following suffix: ECOSE, with ECOSE Technology, with E-Technology

All product names have always one of the following prefixes: PBE, DRS, CHM S, CHM C, TSP, DAP, AUT, RSB, MCH, MCH S, CNF, CNF E or SPA

Table 1 - OEM products - (continued):

No.	Product			Classification				
	Name	Description	Thickness Range [mm]	Reaction to Fire Class	Facing	Density Range	Loss of Ignition	Thickness Range
						[kg/m <sup>3</sup> ]	[kg/m <sup>3</sup> ]	[mm]
19	Board Premium	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
20	Board High	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
21	Board Supreme	Board	40-200	A1	(-)	≤ 187	≤ 8.7	any
22	Board Special	Board	20-200	A1	(-)	≤ 187	≤ 8.7	any
23	Lamella Basic	Lamella	20-200	A1	(-)	≤ 187	≤ 8.7	any

(-) no facing/coating (classification report no. CR P 1037/15-530-4)

Note: All products can have the following suffix: ECOSE, with ECOSE Technology, with E-Technology

All product names have always one of the following prefixes: PBE, DRS, CHM S, CHM C, TSP, DAP, AUT, RSB, MCH, MCH S, CNF, CNF E or SPA

Gräfelfing, 28 February 2017



Dipl.-Ing. (FH) Wolfgang Albrecht  
 Head of Certification Body



# ANNEX TO CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-233.0-01 Annex D Line 1

**Factory:** Knauf Insulation - plant Surdulica, Belo Polje bb, 17530, Surdulica, Serbia

**Construction product(s):** Factory made mineral wool products (MW) according EN 13162:2012 + A1:2015 with conventional binder

**Intended use:** Thermal insulation products for buildings

**Level(s) or class(es)  
Reaction to fire:** For uses subject to regulations of reaction to fire A1, A2, B, C.  
Products for which a clearly identifiable stage in the production process results in the reaction to fire classification

## Attestation of conformity system: 1

Table 1: Description of the products - OEM products -

No.	Product			Classification				
	Name	Description	Thickness Range [mm]	Reaction to Fire Class	Facing	Density Range [kg/m <sup>3</sup> ]	Loss of Ignition [mass%]	Thickness Range [mm]
1	Board D3	Board	30-200	A1	(-)	≤ 190	≤ 4.6	any
2	Board D4	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
3	Board D5	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
4	Board D6	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
5	Board D7	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
6	Board D8	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
7	Board D9	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
8	Board D10	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
9	Board D11	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
10	Board D12	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
11	Board D13	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
12	Board D14	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
13	Board D15	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
14	Board D16	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
15	Board D17	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
16	Board D18	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
17	Board D19	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
18	Board Basic	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
19	Board Premium	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
20	Board High	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any

(-) no facing/coating (classification report no. KB-Hoch-13928-2)

Note: All product names have always one of the following prefixes: PBE, DRS, CHM S, CHM C, TSP, DAP, AUT, RSB, MCH, MCH S, CNF, CNF E or SPA



No.	Product			Classification				
	Name	Description	Thickness Range	Reaction to Fire Class	Facing	Density Range	Loss of Ignition	Thickness Range
			[mm]			[kg/m <sup>3</sup> ]	[mass%]	[mm]
12	Board Supreme	Board	40-200	A1	(-)	≤ 190	≤ 4.6	any
13	Board Special	Board	20-200	A1	(-)	≤ 190	≤ 4.6	any
14	Lamella Basic	Lamella	20-200	A1	(-)	≤ 190	≤ 4.6	any
15	Lamella Premium	Lamella	20-200	A1	(-)	≤ 190	≤ 4.6	any
16	Lamella High	Lamella	20-200	A1	(-)	≤ 190	≤ 4.6	any
17	Lamella Supreme	Lamella	20-200	A1	(-)	≤ 190	≤ 4.6	any

(-) no facing/coating (classification report no. KB-Hoch-13928-2)

Note: All product names have always one of the following prefixes: PBE, DPS, CHM S, CHM C, TSP, DAP, AUT, RSB, MCH, MCH S, CNF, CNF E or SPA

Gräfelfing, 28 February 2017



Dipl.-Ing. (FH) Wolfgang Albrecht  
 Head of Certification Body

