



# CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-091.0-01

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 (MW) products acc. EN 13162 2012+A1:2015  
with conventional binder  
(details see annex A for OEM products with conventional binder,  
annex B for standard building products with conventional binder.)

produced by or for

**Knauf Insulation d.o.o.**  
Trata 32, 4220 Skofja Loka, Republic of Slovenia

and produced in the manufacturing plant(s)

**Knauf Insulation d.o.o.**  
**4220 Skofja Loka**  
Republic of Slovenia

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 28.02.2017 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

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-091.0-01 Annex A Line 1

**Factory:** Knauf Insulation d.o.o, 4220 Skofja Loka

**Construction product(s):** Factory made mineral wool (MW) products acc. 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 an improvement in the reaction to fire classification.

**Attestation of conformity system:** 1

Table 1: Description of OEM products at line 1

No.	Product			Classification <sup>1</sup>				
	Name	Description	Thickness Range [mm]	Reaction to fire class <sup>1</sup>	Facing / Coating	Density Range [kg/m <sup>3</sup> ]	Loss of ignition [mass%]	Thickness Range [mm]
1	Board D3	board	9-250	A1	(-)	≤ 200	< 3.97	any
2	Board D4	board	9-250	A1	(-), (1), (2), (3), (4), (5), (7), (1)+(5), (3)+(5), (1)+(7), (3)+(7)	≤ 200	< 3.97	any
3	Board D5	board	9-250	A1		≤ 200	< 3.97	any
4	Board D6	board	9-250	A1		≤ 200	< 3.97	any
5	Board D7	board	9-250	A1		≤ 200	< 3.97	any
6	Board D8	board	9-250	A1		≤ 200	< 3.97	any
7	Board D9	board	9-250	A1		≤ 200	< 3.97	any
8	Board D10	board	9-250	A1		≤ 200	< 3.97	any
9	Board D11	board	9-250	A1		≤ 200	< 3.97	any
10	Board D12	board	9-250	A1		≤ 200	< 3.97	any
11	Board D13	board	9-250	A1		≤ 200	< 3.97	any
12	Board D14	board	9-250	A1		≤ 200	< 3.97	any
13	Board D15	board	9-250	A1		≤ 200	< 3.97	any
14	Board D16	board	9-250	A1		≤ 200	< 3.97	any

(-) without any facing/coating

(1) GVB (black glass fleece one-sided)

(2) GVB2 (black glass fleece double-sided)

(3) GVN (white glass fleece one-sided)

(4) GVN2 (white glass fleece one-sided)

(5) AluR (aluminum foil with reinforcing grid one-sided)

(6) AluR2 (aluminum foil with reinforcing grid double-sided),

(7) ALU (aluminum foil one-sided)

<sup>1</sup> Classification report No.: TUM - HFM B16224, field of application thickness range regarding facings see table 2 or HOCH-KB-130659

Note: Product alternative name has always one of the following prefixes - PBE, DRS, CHM S, CHM C, TSP, DAP, AUT, RSB, MCH, MCH S, CNF, CNF E and SPA

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Certificate of constancy of performance No.: 0751-CPR-091.0-01 Annex B Line 1

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Table 1: Description of OEM products at line 1 (continued):

No.	Product			Classification <sup>1</sup>				
	Name	Description	Thickness Range [mm]	Reaction to fire class <sup>1</sup>	Facing / Coating	Density Range [kg/m <sup>3</sup> ]	Loss of ignition [mass%]	Thickness Range [mm]
15	Board D17	board	9-250	A1	(-), (1), (2), (3), (4), (5), (6), (7), (1)+(5), (3)+(5), (1)+(7), (3)+(7)	≤ 200	< 3.97	any
16	Board D18	board	9-250	A1		≤ 200	< 3.97	any
17	Board D19	board	9-250	A1		≤ 200	< 3.97	any
18	Board D20	board	9-250	A1		≤ 200	< 3.97	any
19	Board Basic	board	30-200	A1	(-)	≤ 150	< 4.6	any
20	Board Premium	board	30-200	A1	(-)	≤ 150	< 4.6	any
21	Board High	board	30-200	A1	(-)	≤ 150	< 4.6	any
22	Board Supreme	board	30-200	A1	(-)	≤ 150	< 4.6	any
23	VK Board D8	board	9-250	A1	(-)	≤ 200	< 3.97	any
24	VK Board D9	board	9-250	A1	(-)	≤ 200	< 3.97	any
25	VK Board D10	board	9-250	A1	(-)	≤ 200	< 3.97	any
26	VK Board D11	board	9-250	A1	(-)	≤ 200	< 3.97	any
27	VK Board D12	board	9-250	A1	(-)	≤ 200	< 3.97	any
28	VK Board D13	board	9-250	A1	(-)	≤ 200	< 3.97	any
29	VK Board D14	board	9-250	A1	(-)	≤ 200	< 3.97	any
30	VK Board D15	board	9-250	A1	(-)	≤ 200	< 3.97	any
31	VK Board D16	board	9-250	A1	(-)	≤ 200	< 3.97	any
32	VK Board D17	board	9-250	A1	(-)	≤ 200	< 3.97	any
33	VK Board D18	board	9-250	A1	(-)	≤ 200	< 3.97	any
34	VK Thermal Board D9	board	25-250	A1	(-)	≤ 150	< 4.6	any
35	VK Thermal Board D10	board	25-250	A1	(-)	≤ 150	< 4.6	any
36	VK Thermal Board D11,5	board	30-200	A1	(-)	≤ 150	< 4.6	any
37	Fire board D7 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
38	Fire board D8 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
39	Fire board D9 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
40	Fire board D10 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
41	Fire board D11 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
42	Fire board D12 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
43	Fire board D13 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
44	Fire board D14 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
45	Fire board D15 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
46	Fire board D15,5 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
47	Fire board D16 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
48	Fire board D17 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any

(-) without any facing/coating

(1) GVB (black glass fleece one-sided)

(2) GVB2 (black glass fleece double-sided)

(3) GVN (white glass fleece one-sided)

(4) GVN2 (white glass fleece one-sided)

(5) AluR (aluminum foil with reinforcing grid one-sided)

(6) AluR2 (aluminum foil with reinforcing grid double-sided),

(7) ALU (aluminum foil one-sided)

<sup>1</sup> Classification report No.: TUM - HFM B16224, field of application thickness range regarding facings see table 2 or HOCH-KB-130659

Note: Product alternative name has always one of the following prefixes - PBE, DRS, CHM S, CHM C, TSP, DAP, AUT, RSB, MCH, MCH S, CNF, CNF E and SPA

(\*) Fire board D7-D20 can have instead of D7-D20 the following suffix: R NrXX, BS NrXX or BSI NrXX, where XX is nominal thickness in mm and Nr is representing minimal surface weight in kg/m<sup>2</sup> divided by 10

Table 1: Description of OEM products at line 1 (continued):

No.	Product			Classification <sup>†</sup>				
	Name	Description	Thickness Range [mm]	Reaction to fire class	Facing / Coating	Density Range [kg/m <sup>3</sup> ]	Loss of ignition [mass%]	Thickness Range [mm]
49	Fire board D18 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
50	Fire board D19 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
51	Fire board D20 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
52	Fire board 2D D7 to Fire board 2D D15 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
53	Fire board 2D D15,5 to Fire board 2D D20 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
54	Fire board 3D D7 to Fire board 3D D15 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
55	Fire board 3D D15,5 to Fire board 3D D20 (*)	board	9-250	A1	(-)	≤ 200	< 3.97	any
56	Crimp Fire Board D12 - Crimp Fire Board D20 (**)	board	9-250	A1	(-)	≤ 200	< 3.97	any
57	Functional Fire board D12 - Functional Fire board D20	board	9-250	A1	(-)	≤ 200	< 3.97	any
58	LX Basic	board	20-160	A1	(-)	≤ 150	< 4.6	any
59	LX Premium	board	20-160	A1	(-)	≤ 150	< 4.6	any
60	LX High	board	20-160	A1	(-)	≤ 150	< 4.6	any
61	LX Supreme	board	20-160	A1	(-)	≤ 150	< 4.6	any
62	LX D9 - LX D9,5	board	20-160	A1	(-)	≤ 150	< 4.6	any
63	LX D10	board	20-160	A1	(-)	≤ 150	< 4.6	any
64	LX D11 - LX D12	board	20-160	A1	(-)	≤ 150	< 4.6	any
65	LX D13,5	board	20-160	A1	(-)	≤ 150	< 4.6	any

(-) without any facing/coating

(1) GVB (black glass fleece one-sided)

(2) GVB2 (black glass fleece double-sided)

(3) GVN (white glass fleece one-sided)

(4) GVN2 (white glass fleece one-sided)

(5) ALuR (aluminum foil with reinforcing grid one-sided)

(6) ALuR2 (aluminum foil with reinforcing grid double-sided),

(7) ALU (aluminum foil one-sided)

<sup>†</sup> Classification report No.: TUM - HFM B16224, field of application thickness range regarding facings see table 2 or HOCH-KB-130669

Note: Product alternative name has always one of the following prefixes -PBE, DRS, CHM S, CHM C, TSP, DAP, AUT, RSB, MCH, MCH S, CNF, GNF-E and SPA

(\*) Fire board D7-D20 can have instead of D7-D20 the following suffix: R NrXX, BS NrXX or BSI NrXX, where XX is nominal thickness in mm and Nr is representing minimal surface weight in kg/m<sup>2</sup> divided by 10

(\*\*) Crimp Fire board D12-D20 can have instead of D12-D20 the following suffix: R NrXX, BS NrXX or BSI NrXX, where XX is nominal thickness in mm and Nr is representing minimal surface weight in kg/m<sup>2</sup> divided by 10



Table 2: Field of application thickness range - facings at line 1 OEM:

Product	Classified Thickness Range										
	[mm]										
	(-)	(1) GVB (3) GVN	(2) GVB2 (4) GVN2	(5) AluR		(06) AluR2		(07) ALU		(03)+(05) GVN+AluR (01)+(05) GVB+AluR (01)+(07) GVB+ALU (03)+(07) GVN+ALU	
Reaction to fire class	A1	A1	A1	A1	A2-s1,d0	A1	A2-s1,d0	A1	A2-s1,d0	A1	A2-s1,d0
Board D4	9-250	≥20	≥30	≥70	≥20	-	-	≥70	≥20	≥100	≥20
Board D5	9-250	≥20	≥30	≥50	≥20	-	-	≥70	≥20	≥100	≥20
Board D6	9-250	≥9	≥20	≥50	≥20	-	-	≥50	≥20	≥60	≥20
Board D7	9-250	≥9	≥20	≥40	≥20	≥70	≥20	≥40	≥20	≥60	≥20
Board D8*	9-250	≥9	≥20	≥40	≥20	≥70	≥20	≥40	≥20	≥40	≥20
Board D9	9-250	≥9	≥20	≥30	≥20	≥70	≥20	≥30	≥20	≥40	≥20
Board D10	9-150	≥9	≥20	≥25	≥20	≥50	≥20	≥30	≥20	≥40	≥20
Board D11	9-120	≥9	≥20	≥25	≥20	≥50	≥20	≥25	≥20	≥30	≥20
Board D12	9-120	≥9	≥9	≥25	≥20	≥50	≥20	≥25	≥20	≥30	≥20
Board D13	9-120	≥9	≥9	≥20	-	≥40	≥20	≥25	≥20	≥30	≥20
Board D14	9-120	≥9	≥9	≥20	-	≥40	≥20	≥20	-	≥30	≥20
Board D15	9-100	≥9	≥9	≥20	-	≥40	≥20	≥20	-	≥30	≥20
Board D16	9-100	≥9	≥9	≥20	-	≥40	≥20	≥20	-	≥20	-
Board D17	9-100	≥9	≥9	≥20	-	≥30	≥20	≥20	-	≥20	-
Board D18	9-70	≥9	≥9	≥20	-	≥30	≥20	≥20	-	≥20	-
Board D19	9-70	≥9	≥9	≥20	-	≥30	≥20	≥20	-	≥20	-
Board D20	9-70	≥9	≥9	≥20	-	≥25	≥20	≥20	-	≥20	-

Gräfelfing, 28 February 2017



Dipl.-Ing. (FH) Wolfgang Albrecht

Head of Certification Body