Forschungsinstitut für Wärmeschutz e.V. München
Notified body No. 0751

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 0751-CPR-093.0-01

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 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 according EN 13162:2012+A1:2015
(details see annex A for standard building products with ECOSE® Technology or conventional Binder,
annex B for OEM products with ECOSE® Technology or conventional Binder,
annex C for TS products with ECOSE® Technology or conventional Binder)

produced by or for

Knauf Insulation d.o.o.
Varaždinska 140, 42220 Novi Marof, Croatia
and produced in the manufacturing plant(s)

Knauf Insulation d.o.o.
42220 Novi Marof

This certificate attests that all provisions concerning the assessment and verification of Constancy of Performance described in Annex ZA of the standard

EN 13162:2012+A1:2015

under **System 1** for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on 20 October 2017 and will remain valid (but no longer than 20.10.2025) as long as neither the harmonized standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Gräfelfing, 21 October 2024

Forschungsinstitut für Wärmeschutz e.V. München FIW München www.fiw-muenchen.de

Dr. Andreas Schmeller

Andreas Schmeller

Certification Body

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ANNEX TO CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 0751-CPR-093.0-01 Annex C

Factory: Knauf Insulation d.o.o., 42220 Novi Marof, Croatia

Construction product(s): Factory made mineral wool products according EN 13162:2012+A1:2015 with mainly ECOSE® Technology or 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.

System of Assessment and Verification of Constancy of Performance: 1

Table C1: Description of TS products with ECOSE® Technology

No.	Product					Classification*	
	Name	Additional name	Type	Thickness Range mm	Facing / Coating	Reaction to fire class	Classification Report No.
1	BL D200	-	Board	40-120	without facing	A1	B23208
2	Thermo-teK BD 110	(3)	Board	20-220	white veil		
3	Thermo-teK BD 110	(5)	Board	20-220	alu foil		
4	Thermo-teK BD 110	(7)	Board	20-220	glass woven		
5	Thermo-teK BD 120	-	Board	20-210	without facing		
6	Thermo-teK BD 120	(1)	Board	20-210	black veil		
7	Thermo-teK BD 120	(3)	Board	20-210	white veil		
8	Thermo-teK BD 120	(5)	Board	20-210	alu foil		
9	Thermo-teK BD 120	(7)	Board	20-210	glass woven		
10	Thermo-teK BD 130	-	Board	20-190	without facing		
11	Thermo-teK BD 130	(1)	Board	20-190	black veil		
12	Thermo-teK BD 130	(3)	Board	20-190	white veil		
13	Thermo-teK BD 130	(5)	Board	20-190	alu foil		
14	Thermo-teK BD 130	(7)	Board	20-190	glass woven		
15	Thermo-teK BD 140	-	Board	20-170	without facing		
16	Thermo-teK BD 140	(1)	Board	20-170	black veil		
17	Thermo-teK BD 140	(3)	Board	20-170	white veil		
18	Thermo-teK BD 140	(5)	Board	20-170	alu foil		
19	Thermo-teK BD 140	(7)	Board	20-170	glass woven		
20	Thermo-teK BD 150	-	Board	20-160	without facing		
21	Thermo-teK BD 150	(1)	Board	20-160	black veil		

(-) without facing
(1) GVB=B=VBS glass veil black
(2) GVB2=B2=VBD glass veil black on both sides
(3) GVN=VWS glass veil white on one side
(4) GVN2=VWD glass veil white on both sides
(5) ALUR=ALU reinforced aluminium foil on one side
(6) ALUR2=ALU2 =ALD reinforced aluminum foil on the both sides
(7) GW1=WBS black glass woven on one side
(8) GW2= WBD black glass woven on both sides

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Table C1: Description of TS products with ECOSE® Technology (continued)

No.	Product					Classification*	
	Name	Additional name	Type	Thickness Range mm	Facing / Coating	Reaction to fire class	Classification Report No.
22	Thermo-teK BD 150	(3)	Board	20-160	white veil	A1	B23208
23	Thermo-teK BD 150	(5)	Board	20-160	alu foil		
24	Thermo-teK BD 150	(7)	Board	20-160	glass woven		
25	Sound-teK BD 803	(2)	Board	70-255	black veil		
26	Sound-teK BD 803	(4)	Board	70-255	white veil		
27	Sound-teK BD 803	(8)	Board	70-255	glass woven		
28	Sound-teK BD 803	(6)	Board	70-255	alu foil		
29	Sound-teK BD 804	(2)	Board	60-255	black veil		
30	Sound-teK BD 804	(4)	Board	60-255	white veil		
31	Sound-teK BD 804	(8)	Board	60-255	glass woven		
32	Sound-teK BD 804	(6)	Board	60-255	alu foil		
33	Sound-teK BD 805	(2)	Board	60-255	black veil		
34	Sound-teK BD 805	(4)	Board	60-255	white veil		
35	Sound-teK BD 805	(8)	Board	60-255	glass woven		
36	Sound-teK BD 805	(6)	Board	60-255	alu foil		
37	Sound-teK BD 806	(2)	Board	40-255	black veil		
38	Sound-teK BD 806	(4)	Board	40-255	white veil		
39	Sound-teK BD 806	(8)	Board	40-255	glass woven		
40	Sound-teK BD 806	(6)	Board	40-255	alu foil		
41	Sound-teK BD 807	(2)	Board	30-255	black veil		
42	Sound-teK BD 807	(4)	Board	30-255	white veil		
43	Sound-teK BD 807	(8)	Board	30-255	glass woven		
44	Sound-teK BD 807	(6)	Board	30-255	alu foil		
45	Sound-teK BD 808	(2)	Board	30-255	black veil		
46	Sound-teK BD 808	(4)	Board	30-255	white veil		
47	Sound-teK BD 808	(8)	Board	30-255	glass woven		
48	Sound-teK BD 808	(6)	Board	30-255	alu foil		
49	Sound-teK BD 809	(2)	Board	30-255	black veil		
50	Sound-teK BD 809	(4)	Board	30-255	white veil		
51	Sound-teK BD 809	(8)	Board	30-255	glass woven		
52	Sound-teK BD 809	(6)	Board	30-255	alu foil		
53	Sound-teK BD 810	(2)	Board	30-250	black veil		
54	Sound-teK BD 810	(4)	Board	30-250	white veil		
55	Sound-teK BD 810	(8)	Board	30-250	glass woven		
56	Sound-teK BD 810	(6)	Board	30-250	alu foil		
57	Sound-teK BD 811	(2)	Board	20-220	black veil		
58	Sound-teK BD 811	(4)	Board	20-220	white veil		
59	Sound-teK BD 811	(8)	Board	20-220	glass woven		
60	Sound-teK BD 811	(6)	Board	20-220	alu foil		
61	Sound-teK BD 812	(2)	Board	20-210	black veil		
62	Sound-teK BD 812	(4)	Board	20-210	white veil		
63	Sound-teK BD 812	(8)	Board	20-210	glass woven		
64	Sound-teK BD 812	(6)	Board	20-210	alu foil		
65	Sound-teK BD 813	(2)	Board	20-190	black veil		

(-) without facing
(1) GVB=B=VBS glass veil black
(2) GVB2=B2=VBD glass veil black on both sides
(3) GVN=VWS glass veil white on one side
(4) GVN2=VWD glass veil white on both sides
(5) ALUR=ALU reinforced aluminium foil on one side
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(8) GW2= WBD black glass woven on both sides

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Table C1: Description of TS products with ECOSE® Technology (continued)

No.	Product					Classification*	
	Name	Additional name	Type	Thickness Range mm	Facing / Coating	Reaction to fire class	Classification Report No.
66	Sound-teK BD 813	(4)	Board	20-190	white veil	A1	B23208
67	Sound-teK BD 813	(8)	Board	20-190	glass woven		
68	Sound-teK BD 813	(6)	Board	20-190	alu foil		
69	Sound-teK BD 814	(2)	Board	20-180	black veil		
70	Sound-teK BD 814	(4)	Board	20-180	white veil		
71	Sound-teK BD 814	(8)	Board	20-180	glass woven		
72	Sound-teK BD 814	(6)	Board	20-180	alu foil		
73	Sound-teK BD 815	(2)	Board	20-160	black veil		
74	Sound-teK BD 815	(4)	Board	20-160	white veil		
75	Sound-teK BD 815	(8)	Board	20-160	glass woven		
76	Sound-teK BD 815	(6)	Board	20-160	alu foil		
77	Thermo-teK FM 040	-	Board	50-120	without facing		
78	Thermo-teK FM 040	(5)	Board	50-120	alu foil		
79	Thermo -teK FM 050	-	Board	40-120	without facing		
80	Thermo -teK FM 050	(5)	Board	40-120	alu foil		
81	Thermo -teK FM 060	-	Board	40-120	without facing		
82	Thermo -teK FM 060	(5)	Board	40-120	alu foil		
83	PROMALAN HT 100	-	Board	30-150	without facing		
84	PROMALAN HT 120	-	Board	30-120	without facing		
85	PROMALAN HT 150	-	Board	30-120	without facing		
86	PROMALAN HT 200	-	Board	30-120	without facing		
87	Thermo-teK BD 090	-	Board	20-255	without facing		
88	Thermo-teK BD 090	(1)	Board	20-255	black veil		
89	Thermo-teK BD 090	(3)	Board	20-255	white veil		
90	Thermo-teK BD 090	(5)	Board	20-255	alu foil		
91	Thermo-teK BD 090	(7)	Board	20-255	glass woven		
92	Thermo-teK BD 100	-	Board	20-250	without facing		
93	Thermo-teK BD 100	(1)	Board	20-250	black veil		
94	Thermo-teK BD 100	(3)	Board	20-250	white veil		
95	Thermo-teK BD 100	(5)	Board	20-250	alu foil		
96	Thermo-teK BD 100	(7)	Board	20-250	glass woven		
97	Thermo-teK BD 110	-	Board	20-220	without facing		
98	Thermo-teK BD 110	(1)	Board	20-220	black veil		
99	Thermo-teK BD 110	(3)	Board	20-220	white veil		
100	Thermo-teK BD 110	(5)	Board	20-220	alu foil		
101	Thermo-teK BD 110	(7)	Board	20-220	glass woven		

(-) without facing
(1) GVB=B=VBS glass veil black
(2) GVB2=B2=VBD glass veil black on both sides
(3) GVN=VWS glass veil white on one side
(4) GVN2=VWD glass veil white on both sides
(5) ALUR=ALU reinforced aluminium foil on one side
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Table C2: Description of TS products with conventional binder

No.	Product					Classification*	
	Name	Additional name	Type	Thickness Range mm	Facing / Coating	Reaction to fire class	Classification Report No.
1	BL D70	-	Board	80-255	without facing	A1	B17360
2	BL D80	-	Board	80-255	without facing		
3	BL D90	-	Board	80-255	without facing		
4	BL D95	-	Board	80-255	without facing		
5	BL D100	-	Board	80-255	without facing		
6	BL D120	-	Board	80-210	without facing		
7	BL D140	-	Board	80-180	without facing		
8	BL D150	-	Board	60-160	without facing		

(-) without facing
(1) GVB=B=VBS glass veil black
(2) GVB2=B2=VBD glass veil black on both sides
(3) GVN=VWS glass veil white on one side
(4) GVN2=VWD glass veil white on both sides
(5) ALUR=ALU reinforced aluminium foil on one side
(6) ALUR2=ALU2 =ALD reinforced aluminum foil on the both sides
(7) GW1=WBS black glass woven on one side
(8) GW2= WBD black glass woven on both sides

* Explanations regarding reaction to fire characteristics see Annex C page 5.

Explanations regarding reaction to fire characteristics:

1) Uncoated or coated mineral wool boards with ECOSE® Technology reaction to fire class A1 or A2-s1, d0:		
	Applicable for both reaction to fire classes:	- an organic content of ≤ 4,7 % at 50 kg/m³ equivalent to 2,3 kg/m³ - an organic content of ≤ 3,8 % at 180 kg/m³ equivalent to 6,8 kg/m³ - an organic content of ≤ 3,4 % at 197 kg/m³ equivalent to 6,7 kg/m³
	Reaction to fire class A1:	- without coating any thickness, density of ≤ 197 kg/m³ - with coating according section 3.2.1
	Reaction to fire class A2-s1, d0: Details see classification report:	- with coating according section 3.2.2 B23208 No. 1, notified body no. 0797 HFM München

2) Uncoated or coated mineral wool boards with conventional binder reaction to fire class A1 or A2-s1, d0:		
	Applicable for both reaction to fire classes:	- an organic content of ≤ 3,12 % at 200 kg/m³ equivalent to 6,2 kg/m³ - an organic content of ≤ 5,16 % at 160 kg/m³ equivalent to 8,3 kg/m³
	Reaction to fire class A1:	- without coating any thickness, density of ≤ 200 kg/m³ - with coating according section 3.2.1
	Reaction to fire class A2-s1, d0: Details see classification report:	- with coating according section 3.2.2 B17360 No. 2, notified body no. 0797 HFM München

Gräfelfing, 21 October 2024

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