

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0751-CPR.2-005.0-02

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

Factory made mineralwool (MW) products (details cf. annex)

placed on the market by **Knauf Insulation d.o.o.**
Varazdinska 140
42220 Novi Marof
Croatia

and produced in the factory **Knauf Insulation d.o.o.**
Varazdinska 140
42220 Novi Marof
Croatia

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard

EN 14303:2009+A1:2013

under system 1 are applied and that

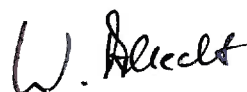
the essential characteristics of reaction to fire for the products fulfil all the prescribed requirements set out above

This certificate was first issued on 30.07.2014. It will be annually confirmed after successful audits 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 no longer than 31.12.2021.

Gräfelfing, 20.11.2017



Head of Certification Body



Dipl.-Ing. (FH) Wolfgang Albrecht

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.

Factory:

Knauf Insulation d.o.o., Varazdinska 140, 42220 Novi Marof, Croatia

Construction product(s):

Factory made mineralwool (MW) products according to EN 14303:2009+A1:2013

Intended use:

Thermal insulation products for building equipment and industrial installations

Level(s) or class(es) reaction to fire:

for uses subject to regulations on reaction to fire A1/A2 and A1L/A2L. Products for which a clearly identifiable stage in the production process results in an improvement of the classification by limiting of organic material.

Attestation of conformity system:

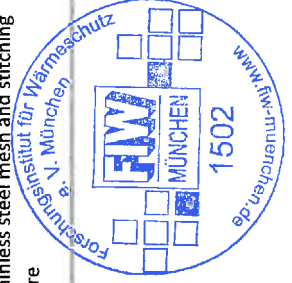
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Discription of the standard products with ECOSE Technology or with phenolic resin

No.		Product		Reaction to fire EN 13501-1				
Form	Type	Description	Classification	Range	max. organic content	Report. No	Classification report	
1	Board	HTB 550 / Power-teK BD 550	A1	Density < 180 kg/m ³	3,80%	1	B1S256	
2	Board	HTB 550 AluR / Power-teK BD 550 ALU	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256	
3	Board	HTB 650	A1	Density < 180 kg/m ³	3,80%	1	B1S256	



No.		Product		Reaction to fire EN 13501-1				
Form	Type	Description	Classification	Range	max. organic content	Report. No	Classification report	
4	Board HTB 650 AluR	Non-combustible mineral wool board with a reinforced aluminium facing on one side	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B15256	
5	Board HTB 680 / Power-teK BD 680	Non-combustible mineral wool board	A1	Density < 180 kg/m ³	3,80%	1	B15256	
6	Board HTB 680 AluR / Power-teK BD 680 ALU	Non-combustible mineral wool board with a reinforced aluminium facing on one side	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B15256	
7	Board HTB 700 / Power-teK BD 700	Non-combustible mineral wool board	A1	Density < 180 kg/m ³	3,80%	1	B15256	
8	Board HTB 700 AluR / Power-teK BD 700 ALU	Non-combustible mineral wool board with a reinforced aluminium facing on one side	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B15256	
9	Wired mat WM 620 GG / Power-teK WM 620 GGN WM 620 GS / Power-teK WM 620 GSN WM 620 S / Power-teK WM 620 SSN	Non-combustible mineral wool wired mat with galvanized or stainless steel mesh and stitching wire	A1	Density < 180 kg/m ³	3,80%	1	B15256	



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10	Wired mat	WM 620 ALU GG / Power-teK WM 620 GGA WM 620 ALU GS / Power-teK WM 620 GSA WM 620 ALU S / Power-teK WM 620 SSA	Non-combustible mineral wool wired mat with galvanized or stainless steel mesh and stitching wire with inlaid aluminium foil	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256
11	Wired mat	WM 640 GG / Power-teK WM 640 GGN WM 640 GS / Power-teK WM 640 GSN WM 640 S / Power-teK WM 640 SSN	Non-combustible mineral wool wired mat with galvanized or stainless steel mesh and stitching wire	A1	Density < 180 kg/m ³	3,80%	1	B1S256
12	Wired mat	WM 640 ALU GG / Power-teK WM 640 GGA WM 640 ALU GG / EI 30 WM 640 ALU GG / EI 60 WM 640 ALU GS / Power-teK WM 640 GSA WM 640 ALU S / Power-teK WM 640 SSA	Non-combustible mineral wool wired mat with galvanized or stainless steel mesh and stitching wire with inlaid aluminium foil	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256
13	Wired mat	WM 660 GG / Power-teK WM 660 GGN WM 660 GS / Power-teK WM 660 GSN WM 660 S / Power-teK WM 660 SSN	Non-combustible mineral wool wired mat with galvanized or stainless steel mesh and stitching wire	A1	Density < 180 kg/m ³	3,80%	1	B1S256
14	Wired mat	WM 660 ALU GG / Power-teK WM 660 GGA WM 660 ALU GS / Power-teK WM 660 GSA WM 660 ALU S / Power-teK WM 660 SSA	Non-combustible mineral wool wired mat with galvanized or stainless steel mesh and stitching wire with inlaid aluminium foil	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256



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15	Wired mat	Non-combustible mineral wool wired mat with galvanized or stainless steel mesh and stitching wire	A1	Density < 180 kg/m ³	3,80%	1	B1S256	
16	Wired mat	Non-combustible mineral wool wired mat with galvanized or stainless steel mesh and stitching wire with inlaid aluminium foil	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256	
17	Felt Mat	Non-combustible mineral wool felt mat	A1	Density ≤ 180 kg/m ³	3,80%	1	B1S256	
18	Felt Mat	Non-combustible mineral wool felt mat faced with reinforced aluminium foil on one side	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256	
19	Felt Mat	Non-combustible mineral wool felt mat	A1	Density ≤ 180 kg/m ³	3,80%	1	B1S256	



No.		Reaction to fire EN 13501-1					
Form	Type	Product	Description	Classification Range	max. organic content	Report. No	Classification report
20	Felt Mat	FM D80 CB AluR / Power-teK FM 080 ALU	Non-combustible mineral wool felt mat faced with reinforced aluminium foil on one side	A1 Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256
21	Felt Mat	FM D100 CB / Power-teK FM 100	Non-combustible mineral wool felt mat	A1 Density ≤ 180 kg/m ³	3,80%	1	B1S256
22	Felt Mat	FM D100 CB AluR / Power-teK FM 100 ALU	Non-combustible mineral wool felt mat faced with reinforced aluminium foil on one side	A1 Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256
23	Lamella Mat	Lamella Mat Forte LMF AluR / Power-teK LM 450 ALU	Non-combustible mineral wool lamella mat onto reinforced aluminium foil	A1 Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256
24	Lamella Mat	Thermo-teK LM Pro ALU	Non-combustible mineral wool lamella mat onto reinforced aluminium foil	A1 Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256
25	Lamella Mat	Lamella Mat Forte LMF 10 AluR / Power-teK LM 550 ALU	Non-combustible mineral wool lamella mat onto reinforced aluminium foil	A1 Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256



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26	Lamella Mat	Firestop EI 30 CY	Non-combustible mineral wool lamella mat onto reinforced aluminium foil	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256
27	Board	TRB 050 / Power-teK BD 775	Non-combustible mineral wool board	A1	Density ≤ 180 kg/m ³	3,80%	1	B1S256
28	Board	TWB 035 / Power-teK BD 450	Non-combustible mineral wool board	A1	Density ≤ 180 kg/m ³	3,80%	1	B1S256
29	Board	HTB 620 / Power-teK BD 620	Non-combustible mineral wool board	A1	Density ≤ 180 kg/m ³	3,80%	1	B1S256
30	Board	HTB 620 AluR / Power-teK BD 620 ALU	Non-combustible mineral wool board with a reinforced aluminium facing on one side	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256
31	Board	HTB 640 / Power-teK BD 640	Non-combustible mineral wool board	A1	Density ≤ 180 kg/m ³	3,80%	1	B1S256
32	Board	HTB 640 AluR / Power-teK BD 640 ALU	Non-combustible mineral wool board with a reinforced aluminium facing on one side	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256
33	Board	HTB 660 / Power-teK BD 660	Non-combustible mineral wool board	A1	Density ≤ 180 kg/m ³	3,80%	1	B1S256



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Form	Type	Description	Classification	Range	max. organic content	Report. No	Classification report	
34	Board	HTB 660 AluR / Power-tek BD 660 ALU Non-combustible mineral wool board with a reinforced aluminium facing on one side	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256	
35	Pipe belt	IPB 680 / Power-tek PB 680 Non-combustible pipe belt cut from a mineral wool block with a reinforced aluminium facing on one side	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256	
36	Lamella Mat	LMF 640 AluR / Power-tek LM 700 ALU Non-combustible mineral wool lamella mat onto reinforced aluminium foil	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256	
37	Lamella Mat	LMH AluR / Thermo-tek LM Eco ALU Non-combustible mineral wool lamella mat onto reinforced aluminium foil	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B1S256	
38	Pipe section	IPS 680 / Power-tek PS 680 Non-combustible mineral wool concentrically wound pipe section	A1L	Density ≤ 150 kg/m ³	3,78%	3	KB-Hoch-150612-2	



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39	Pipe section	Non-combustible mineral wool concentrically wound pipe section covered with a rein-forced aluminium foil	HPS 035 AluR / Thermo-teK PS Pro ALU	A2L-s1,d0 für da > 300 mm A2-s1,d0	Density 30 kg/m ³ to 164 kg/m ³	3,94%	6	B16436
40	Pipe section	Non-combustible pipe section cut from a mineral wool block	PS 600 / Power-teK PC 600	A1L	Density ≤ 150 kg/m ³	3,78%	3	KB-Hoch-150612-2
41	Pipe section	Non-combustible pipe section cut from a mineral wool block with a reinforced aluminium facing	KPS 041 AluR / Thermo-teK PC 080 ALU	A2L-s1,d0 für da > 300 mm A2-s1,d0	Density 70 kg/m ³ to 110 kg/m ³ Thickness ≥ 20 mm	-	4	KB-Hoch-111241-5
42	Pipe section	Non-combustible pipe section cut from a mineral wool block with a reinforced aluminium facing	Thermo-teK PC 090 ALU	A2L-s1,d0 für da > 300 mm A2-s1,d0	Density 70 kg/m ³ to 110 kg/m ³ Thickness ≥ 20 mm	-	4	KB-Hoch-111241-5
43	Wired mat	Non-combustible mineral wool wired mat with galvanized or stainless steel mesh and stitching wire	Rocksilk Fire Barrier / Fire-teK WM 910 GGN	A1	Density < 180 kg/m ³	3,80%	1	B15256



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44	Wired mat Rocksilk Fire Barrier Alu / Fire-teK WM 910 GGA	Non-combustible mineral wool wired mat with galvanized or stainless steel mesh and stitching wire with inlaid aluminium foil	A1 Density < 180 kg/m ³	3,80%	1	B15256		
45	Wired mat Fire-teK WM 908 GGA / Fire-teK WM 640 ALU GG	Non-combustible mineral wool wired mat with galvanized mesh and stitching wire with inlaid aluminium foil	A1 Density < 180 kg/m ³	3,80%	1	B15256		
46	Pipe section Thermo-teK PS Eco	Non-combustible mineral wool concentrically wound pipe sections	A1L Density ≤ 150 kg/m ³	3,78%	3	KB-Hoch-150612-2		
47	Pipe section Thermo-teK PS Eco ALU	Non-combustible mineral wool concentrically wound pipe sections covered with a reinforced aluminium foil	A2L-s1,d0 für da > 300 mm A2-s1,d0	3,94%	6	B16436		
48	Pipe section Power-teK PS 450	Non-combustible mineral wool concentrically wound pipe sections	A1L Density ≤ 150 kg/m ³	3,78%	3	KB-Hoch-150612-2		
49	Pipe section Power-teK PS 700 ALU / Power-teK PM 700	Non-combustible mineral wool concentrically wound pipe sections covered with a reinforced aluminium foil	A2L-s1,d0 für da > 300 mm A2-s1,d0	3,94%	6	B16436		



No.	Product		Reaction to fire EN 13501-1					
	Form	Type	Description	Classification	Range	max. organic content	Report. No	Classification report
50	Board	HBD F08 AluR / Fire-tek 8D 908 ALU	Non-combustible mineral wool board with a reinforced aluminium facing on one side	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B15256
51	Board	HBD F12 AluR / Fire-tek BD 912 ALU	Non-combustible mineral wool board with a reinforced aluminium facing on one side	A1	Thickness ≥ 20 mm and Density ≥ 50 kg/m ³ and ≤ 150 kg/m ³ or Thickness ≥ 25 mm and Density ≥ 35 kg/m ³ and ≤ 150 kg/m ³	3,80%	1	B15256
52	Felt	Loose Wool LW / Power-tek LW STD	Non-combustible mineral wool felt	A1	Density ≤ 180 kg/m ³	3,80%	1	B15256



Detail information about the insulation products are given in the classification reports

Gräfelfing 20.11.2017

Head of Certification Body



Dipl.-Ing. (FH) Wolfgang Albrecht