



Centrum stavebního inženýrství a.s. Praha
Centre of Building Construction Engineering Prague
Akreditované zkušební laboratoře, Autorizovaná osoba,
Oznámený subjekt, Certifikační orgán
Accredited Test Laboratories, Authorised Body,
Notified Body, Certification Body
Pražská 16, 102 00 Praha 10



Notified Body 1390

CERTIFICATE OF CONSTANCY OF PERFORMANCE

1390 – CPR – 0102/08/P

In compliance with the 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 mineral wool products ROCKWOOL used for thermal insulation of buildings, sold under the trade marks

(trade marks and type codes according to EN 13 162 are given in the annex to the certificate)

placed on the market by : **ROCKWOOL Polska, Sp. z o.o.**
ul. Kwiatowa 14
66-131 Cigacice, Poland

and produced in the : **Zakład w Małkini**
manufacturing plant **ul. Jana III. Sobieskiego**
07- 320 Małkinia (production line MAL 5,6,7)

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

EN 13 162:2012+A1:2015

under system 1 for the performances 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 31. 10. 2008 as a certificate pursuant to CPD and will remain valid as long as neither the harmonised standard, the construction product, the AVPC methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Notified Body 1390
Prague, 31. 03. 2017




Ing. Petr Kučera, CSc.
Deputy of Notified Body 1390



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Annex to the Certificate of Constancy of Performance 1390-CPR-0102/08/P
The certificate covers the following products of ROCKWOOL Potska, Malkinia factory:

Trade mark	Thermal conductivity W/mK	Reaction to fire	Type code according to EN 13 162	Line
DOMROCK (d=100-200)	0.045	A1	MW-EN 13162-T1-WS-WL(P)-MU1	MAL7
ROCK-ROLL (d=100-200)				
MATA W (d=100-200)				
MEGAROCK (d=100-200)	0.039	A1	MW-EN 13162-T2-WS-WL(P)-MU1	MAL7
ROCKMIN (d=40-200)				MAL5 MAL6 MAL7
MULTIROCK (d=40-200)				
ROCKBATTS (d=40-200)				
STALROCK (d=40-200)				
PLYTA z WELNY MINERALNEJ (d=40-200)				
ROCKBATTS SUPER (d=40-220)				
TOPROCK (d=80-200)	0.034	A1	MW-EN 13162-T2-WS-MU1	MAL5 MAL7
PANELROCK (d=30-200)	0.035	A1	MW-EN 13162-T2-WS-MU1	MAL7
INDUSTRIAL 50 (d=20-200)	0.036	A1	MW-EN 13162-T3-CS(10)0.5-WS- MU1	MAL5 MAL6 MAL7
INDUSTRIAL 60 (d=20-200)				
PANELROCK 80 (d=40-200)				
INDUSTRIAL 80 (d=20-200)	0.036	A1	MW-EN 13162-T3-CS(10)0.5-WS- MU1	MAL5 MAL6 MAL7
VENTI MAX (d=30-79)	0.034		MW-EN 13162-T4-CS(10)0.5-WS-WL(P)-MU1	MAL7
VENTI MAX (d=80-200) WENTIROCK MAX (d=80-200)	0.034		MW-EN 13162-T4-CS(10)0.5-AW1,00-WS-WL(P)-MU1	MAL7
WENTIROCK (d=20-79)	0.037	A1	MW-EN 13162-T4-CS(10)10-TR7.5-WS- MU1	MAL5 MAL6 MAL7
WENTIROCK (d=80-200)	0.037	A1	MW-EN 13162-T4-CS(10)10-TR7.5-WS-AW 0.95- MU1	
FASROCK MAX (d=80-100)	0.039	A1	MW-EN 13162-T4-DS(70,90)-CS(10)10-TR7.5-WS- MU1	MAL6 MAL7
FASROCK MAX (d=110-200)	0.037	A1		
FASROCK XL (d=80-200)	0.042	A2	MW-EN 13162-T5-DS(70,90)-CS(10Y)40-TR100-WS- MU1	MAL5 MAL6 MAL7
CB ROCK (d=40-200)	0.038	A1	MW-EN 13162-T4-DS(70,90)-TR7,5-PL(5)100-WS-MU1	
SANDWICH BATTS CB (d=80-200)	0.045	A1	MW-EN 13162-T4-CS(10Y)70-TR120-WS-MU1-SS50	
BLOCZEK PW LAMELLA (d=40-200)	0.045	A1	MW-EN 13162-T5-CS(10Y)70-TR120-WS-MU1-SS50	
MONROCK MAX (d=40-79)	0.040	A1	MW-EN 13162-T4-DS(70,90)-CS(10)40-TR7.5-PL(5)350-WS-WL(P)-MU1	



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MONROCK MAX (d=80-200)	0.039	A1	MW-EN 13162-T4-DS(70,90)-CS(10)40-TR7.5-PL(5)400-WS-WL(P)-MU1	MAL6 MAL7
ROOFROCK 50 (d=40-50)	0,038	A1	MW-EN 13162-T4-DS(70,-)-DS(70,90)-CS(10)50-TR10-PL(5)600-WS-WL(P)-MU1	MAL7
DACHROCK MAX (d=40-79)	0.041	A1	MW-EN 13162-T4-DS(70,-)-DS(70,90)-CS(10)50-TR15-PL(5)400-WS-WL(P)-MU1	MAL5 MAL6 MAL7
DACHROCK MAX (d=80-200)	0.040	A1	MW-EN 13162-T4-DS(70,-)-DS(70,90)-CS(10)50-TR15-PL(5)500-WS-WL(P)-MU1	MAL6 MAL7
DACHROCK MAX HARD (d=40-79)	0.042	A1	MW-EN 13162-T4-DS(70,-)-DS(70,90)-CS(10)70-TR15-PL(5)400-WS-WL(P)-MU1	MAL5 MAL6 MAL7
DACHROCK MAX HARD (d=80-200)	0.042	A1	MW-EN 13162-T4-DS(70,-)-DS(70,90)-CS(10)70-TR15-PL(5)500-WS-WL(P)-MU1	MAL6 MAL7
HARDROCK MAX HARDROCK II (d=50-200)	0,040	A1	MW-EN 13162-T4-DS(70,-)-DS(70,90)-CS(10)70 ¹⁾ -TR10-PL(5)800-WS-WL(P)-MU1 ^{*)for top layer CS(10)90}	MAL7
SPODROCK SPODROCK WG (d=20-180)	0.039	A1	MW-EN 13162-T4-DS(70,90)-CS(10)30-TR7.5-PL(5)300-WS-WL(P)-MU1	MAL5 MAL6 MAL7
INDUSTRIAL 120 (d=20-180)	0,039	A1	MW-EN 13162-T4-WS-MU1	MAL5 MAL6 MAL7
STROPROCK (d=20-200)	0.041	A1	MW-EN 13162-T6-CS(10)50-PL(5)400-WS-CP4-MU1	MAL5 MAL6 MAL7
FLOOR BATTS (d=20-200)				
ROCKLIT (d=20-200)	0.042	A1	MW-EN 13162-T4-TR7,5-WS-MU1	MAL5 MAL6 MAL7
DACHROCK(d=20-200)	0.041	A1	MW-EN 13162-T4-DS(70,90)-CS(10)70-TR15-PL(5)450-WS-WL(P)-MU1	MAL6 MAL7
ROOFROCK 80 (d=20-30) WINDROCK (d=20-30)	0.038	A1	MW-EN 13162-T4-DS(70,-)-DS(70,90)-CS(10)80-TR10-PL(5)700-WS-WL(P)-MU1	MAL7
LAMROCK (d=40-200) LAMROCK MAX(d=40-200)	0.045	A1	MW-EN 13162-T5-DS(70,90)-CS(10)80-TR150-WS-WL(P)-SS70-MU1	MAL7
INDUSTRIAL T 100 (d=15-250)	0,038	A1	MW-EN 13162-T4-CS(10)0,5-WS-MU1	MAL5 MAL6 MAL7
INDUSTRIAL T 120 (d=15-250)	0,038	A1	MW-EN 13162-T4-CS(10)0,5-WS-MU1	
INDUSTRIAL D 110 (d=15-200)	0.038	A1	MW-EN 13162-T4-WS-MU1	MAL5 MAL6 MAL7
INDUSTRIAL D 190 (d=15-200)	0.045	A1	MW-EN 13162-T4-WS-MU1	MAL6 MAL7
BETAROCK 80 (d=15-200)	0.038	A1	MW-EN 13162-T4 -WS-MU1	MAL5 MAL6 MAL7
BETAROCK 110 (d=15-200)	0.038	A1	MW-EN 13162-T4-WS-MU1	
BETAROCK 150 (d=15-200)	0.040	A1	MW-EN 13162-T4-WS-MU1	



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BETAROCK 180 (d=15-200)	0,045	A1	MW-EN 13162-T4-WS-MU1	MAL6
MARC 180 (d=15-150)	0,045	A1	MW-EN 13162-T4-WS-MU1	MAL7
FIRE DOORS D 110 (d=15-150)	0,038	A1	MW-EN 13162-T4-WS-MU1	MAL5
FIRE DOORS D 150 (d=15-150)	0,040	A1	MW-EN 13162-T4-WS-MU1	MAL6 MAL7
FIRE DOORS D 190 (d=15-150)	0,045	A1	MW-EN 13162-T4-WS-MU1	MAL6 MAL7
LAMROCK S (d=40-200)	0,044	A1	MW-EN 13162-T5-TR80	MAL7
LAMROCK M (d=40-200)	0,045	A1	MW-EN 13162-T5-TR100	MAL7
LAMROCK XS (d=40-200)	0,041	A1	MW-EN 13162-T5-TR80	MAL7
SPANROCK L (d=40-240)	0,040	A1	MW-EN 13162-T5-TR5	MAL7
SPANROCK M (d=40-240)	0,038	A1	MW-EN 13162-T5-TR5	MAL7
SPANROCK M-M (d=40-240)	0,038	A1	MW-EN 13162-T5-TR5	MAL7
SPANROCK S (d=40-240)	0,038	A1	MW-EN 13162-T5-TR5	MAL7
SPANROCK XL (d=40-240)	0,040	A1	MW-EN 13162-T5-TR5	MAL7
SPANROCK XS (d=40-240)	0,041	A1	MW-EN 13162-T5-TR5	MAL7



Notified Body 1390
Prague, 31. 03. 2017


Ing. Petr Kučera, CSc.
Deputy of Notified Body 1390

ProRox WM 950

Product description

ProRox WM 950 is a lightly bonded stone wool mat stitched on galvanised wire mesh using galvanised wire. The wired mat is suitable for thermal acoustic insulation of industrial applications reaching high temperatures, such as industrial pipe work, boiler walls, furnaces and smoke ducts. Stainless steel mesh, stainless steel binding wire are available upon request.

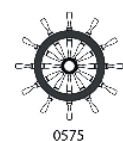
Compliance

ProRox WM 950 Wired Mats fully comply with the requirements as set by internationally recognized standards like EN14303, CINI 2.2.02 and ASTM C592 Type I, II and III.

VDI 2055, AGI Q 132 Designation code: 10.01.02.64.08

Product properties

	Performance												Norms
Thermal conductivity	T [°C]	50	100	150	200	250	300	350	400	500	600	640	EN 12667
	λ (W/mK)	0,039	0,045	0,053	0,062	0,072	0,084	0,097	0,112	0,146	0,192	0,212	
Maximum Service Temperature	640° C												EN 14706
Reaction to fire	EuroClass A1												EN 13501-1
Nominal density	80 kg/m ³												EN 1602
Water leachable chloride content	< 10 ppm												EN 13468
Water Absorption	< 1 kg/m ²												EN 1609
Water vapour diffusion resistance	$\mu = 1$												EN 12086
Air Flow Resistivity	> 40 kPa.s/m ²												EN 29053
Designation code	MW EN 14303-T2-ST(+)-640-WS1-CL10												EN 14303



ProRox® WM 950

ProRox WM 950 is a lightly bonded stone wool insulation mat stitched on galvanized wire mesh with galvanized wire. Stainless steel mesh and binding wire (SW), and/or reinforced aluminium foil (ALU) facing are available upon request. The wired mats are produced with an innovative water-repellent binder, known as WR-Tech™, to mitigate the risk of corrosion under insulation (CUI). WR-Tech ensures our stone wool maintains its superior water repellency even at elevated operating temperatures within the CUI range, while preserving its excellent thermal performance in use.



Application

The wired mat is suitable for the thermal and acoustic insulation of industrial installations exposed to the environment, such as outdoor industrial pipework and equipment at petrochemical plants and refineries.

Product properties in accordance with EN 14303



Properties	Performance													Norms
Thermal conductivity	T (°C)	50	100	150	200	250	300	350	400	500	600	640	EN 12667	
	λ (W/mK)	0,039	0,045	0,053	0,062	0,072	0,084	0,097	0,112	0,146	0,192	0,213		
Maximum Service Temperature	640°C												EN 14706	
Reaction to fire	Euroclass A1 Non-combustible												EN 13501-1 IMO 2010 FTPC	
Density	80 kg/m ³												EN 1602	
Corrosion resistance	Trace quantity of water leachable chloride ions: ≤ 10 mg/kg												EN 13468	
Water absorption	$\leq 0,2$ kg/m ² $\leq 0,2$ kg/m ² (After 24 hrs. pre-heating at 250°C)												EN 1609 EN ISO 29767	
Water vapour diffusion resistance	$\mu = 1$												EN 14303	
Influence on coating systems	Free from substances (e.g. silicone oil) that might impair surface wetting												VW 3.10.7	
Designation code*	MW EN 14303-T2-ST(+)-640-WS1-CL10												EN 14303	

* Thickness class declared under the load of 1000 Pa

Compliance

- ProRox WM 950 fully complies with the requirements as set by the internationally recognized standards like EN 14303, ASTM C592 Type III, ASTM C795, VDI 2055, VDI 2055 and CINI 2.2.02.
- Above product declarations are also applicable for other available product variances and/or optional facings.
- ROCKWOOL stone wool insulation is made from volcanic rock and is not classified as a hazardous substance in accordance with Note Q, regulation (EC) No. 1272/2008.

As ROCKWOOL has no control over insulation design and workmanship, accessory materials or applications conditions, ROCKWOOL does not warranty the performance or result of any installation containing ROCKWOOL products. ROCKWOOL's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose. ROCKWOOL Technical Insulation reserves the right to make necessary product changes at any time. Technical specifications are thus stated subject to change.

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