

PRODUCT DATASHEET



PAROC Pro Section 140 AluCoat

Stone wool pipe section with reinforced aluminium foil facing.

Thermal and condensation insulation in industrial pipework.

Surface temperature of the facing must not exceed 80°C (temperature restriction determined in accordance with heat resistance adhesive).

PAROC stone wool products are capable of withstanding high temperatures. The binder starts to evaporate when its temperature exceeds approximately 200°C. The insulating properties remain unchanged, but the compressive stress weakens. The softening temperature of stone wool products is over 1000°C.

Certification Number

0809-CPR-1016 Eurofins Expert Services Ltd, Kivimiehentie 4, FI-02150 Espoo, Finland

MED Type-Examination (Module B) certificates No. 74480/A0 and 74479/A0 and UK Type-Examination (Module B) certificates No. 74465/A0 and 74467/A0.

Designation Code

MW-EN 14303-T8/T9-ST(+)+680-WS1-MV2-CL10

Nominal Density

140 kg/m³

Package Type

Carton on Pallet, Plastic on Pallet

Single Package Size

Carton 300x400x1200mm

Pallet Size

1200x1200mm

DIMENSIONS		
THICKNESS	INNER DIAMETER	PIPE SECTION LENGTH
20 - 160 mm	12 - 1016 mm	1200 mm
According to EN 822	According to EN 13467	According to EN 822
PROPERTY	VALUE	ACCORDING TO
DIMENSIONAL STABILITY		
Maximum Service Temperature - Dimensional Stability	680 °C	EN 14303:2009+A1:2013 (EN 14707)

Properties

PROPERTY	VALUE	ACCORDING TO
FIRE PROPERTIES		
Reaction to Fire, Euroclass	A2 _L - s1 , d0	EN 14303:2009+A1:2013 (EN 13501-1)
Continuous Glowing Combustion	NPD	EN 14303:2009+A1:2013
Combustibility	Base product non-combustible	EN ISO 1182
Fire Classification (IMO)	Non-combustible	IMO FTPC Code Part 1
Surface Flammability (IMO)	Low flame-spread characteristics	IMO FTPC Code Part 5
THERMAL PROPERTIES		
Thermal Conductivity in 10 °C, λ ₁₀	0,038 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 50 °C, λ ₅₀	0,041 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 100 °C, λ ₁₀₀	0,047 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 150 °C, λ ₁₅₀	0,054 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 200 °C, λ ₂₀₀	0,063 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 300 °C, λ ₃₀₀	0,085 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 400 °C, λ ₄₀₀	0,110 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Dimensions and Tolerances	T8/T9	EN 14303:2009+A1:2013 (EN 823)
MOISTURE PROPERTIES		
Water Absorption, Short Term WS, (W _p)	≤ 1 kg/m ²	EN 14303:2009+A1:2013 (EN 13472)
Water Vapour Diffusion Resistance	IM2	EN 14303:2009+A1:2013 (EN 13469)
Chloride Ions, Cl ⁻	< 10 ppm	EN 14303:2009+A1:2013 (EN 13468)
SOUND PROPERTIES		
Sound Absorption	NPD	EN 14303:2009+A1:2013 (EN ISO 354)
EMISSIONS		
Release of Dangerous Substances	NPD	EN 14303:2009+A1:2013
DURABILITY OF FIRE AND THERMAL PROPERTIES		
Durability of Reaction to Fire Against Ageing/Degradation	No change in reaction to fire properties for mineral wool products. The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.	
Durability of Reaction to Fire Against High Temperature	The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature.	
Durability of Thermal Resistance Against Ageing/Degradation	Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.	

Appearance

Facing Material	Aluminium foil reinforced with a glass fibre net.
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