PRODUCT DATASHEET



PAROC Pro Segment 140 Clad

Prefabricated insulation component made of stone wool (cut from pipe section) with aluminium coated strong glass fiber cloth cladding with UV-protection.

Thermal insulation of industrial pipework for outdoor and indoor application. Product can be used without any additional cladding.

Water Vapor Diffusion factor (μ) according to EN 13469: >11000.

Surface temperature of the facing must not exceed 80 °C (temperature restricting 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

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

Nominal Density 140 kg/m³

Package Type Plastic packs on pallet

DIMENSIONS		
THICKNESS	**INNER DIAMETER**	**PIPE SECTION LENGTH**
25 - 160 mm	114 - 914 mm	1200 mm
According to EN 13467	According to EN 13467	According to EN 13467

PROPERTY	VALUE	ACCORDING TO
DIMENSIONAL STABILITY		
Maximum Service Temperature - Dimensional Stability	680 °C	EN 14303:2009+A1:2013 (EN 14707)

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Properties

PROPERTY	VALUE	ACCORDING TO
FIRE PROPERTIES		
Continuous Glowing Combustion	NPD	EN 14303:2009+A1:2013
Combustibility	Base product non-combustible	EN ISO 1182
THERMAL PROPERTIES		
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 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 for outer diameter < 150 mm, T9 for outer diameter ≥ 150 mm	EN 14303:2009+A1:2013
MOISTURE PROPERTIES		
Water Absorption, Short Term WS, (W_p)	≤ 1 kg/m²	EN 14303:2009+A1:2013 (EN 13472)
Water Vapour Diffusion Resistance	NPD	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	Aluminum coated glass fiber cloth cladding with UV-protection

CE

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