

PAROC Hvac Bend AluCoat T



Certification Number	0809-CPR-1016 / VTT Expert Services Ltd, P.O. Box 1001, FI-02044 VTT, Finland
Designation Code	MW-EN 14303-T8/T9-WS1-MV2-CL10
Short Description	Prefabricated insulation component made of stone wool with reinforced aluminium foil facing. Tape fastening on the longitudinal seam.
Application	Thermal and condensation insulation for pipe elbows.

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

Dimensions

Dimensions	
Thickness	Inner Diameter
20 - 100 mm	15 - 168
In accordance with EN 13467	In accordance with EN 13467

Packaging

Package Type: Cartons on Pallet

Fire Properties

Reaction to Fire		
Property	Value	According to
Reaction to Fire, Euroclass	A2 _L - s1, d0	EN 14303:2009 (EN 13501-1)

Other Fire Properties		
Property	Value	According to
Combustibility	Base product non-combustible	EN ISO 1182

Thermal Properties

Thermal Resistance		
Property	Value	According to
Thermal Conductivity (declared) in 10 °C, λ_{10}	0.034 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity (declared) in 50 °C, λ_{50}	0.037 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity (declared) in 100 °C, λ_{100}	0.044 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Dimensions and Tolerances	T8 for outer diameter < 150 mm, T9 for outer diameter \geq 150 mm	EN 14303:2009+A1:2013

Moisture Properties

Water Permeability		
Property	Value	According to
Water Absorption, Short Term WS, W_p	\leq 1 kg/m ²	EN 14303:2009+A1:2013 (EN 13472)

Water Vapour Permeability		
Property	Value	According to
Water Vapour Diffusion Resistance	MV2	EN 14303:2009+A1:2013 (EN 13469)

Rate of Release of Corrosive Substances

Trace Quantities of Water Soluble Ions and the pH Value		
Property	Value	According to
Chloride Ions, Cl ⁻	< 10 ppm	EN 14303:2009+A1:2013 (EN 13468)

Durability

Durability of Reaction to Fire Against Ageing/Degradation

The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of 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.

Durability of Thermal Resistance Against High Temperature

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.

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