

PAROC Hvac Section AluCoat T



Certification Number	0809-CPR-1016 / VTT Expert Services Ltd, P.O. Box 1001, FI-02044 VTT, Finland, 9.6.2014
Designation Code	MW-EN 14303-T8/T9-WS1-MV2
Short Description	Stone wool pipe section with reinforced aluminium foil facing. Tape fastening on the longitudinal seam.
Application	Thermal and condensation insulation of pipework and air ducts.

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	Pipe Section Length
20 - 100 mm	12 - 612 mm	1200 mm
In accordance with EN 13467	In accordance with EN 13467	In accordance with EN 13467

Packaging

Package Type	Cartons or plastic packs on pallet
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Fire Properties

Reaction to Fire		
Essential characteristics	Performance	Harmonised technical specification (method standard)
Reaction to Fire, Euroclass	A2 _L - s1, d0	EN 14303:2009 (EN 13501-1)

Other Fire Properties		
Description	Value	In accordance with
Fire Classification (IMO)	Non-combustible	IMO FTP Code Part 1
Surface Flammability (IMO)	Low flame-spread characteristics	IMO FTP Code Part 2 and 5
Combustibility	Base product non-combustible	EN ISO 1182

Thermal Properties

Thermal Resistance

Essential characteristics	Performance	Harmonised technical specification (method standard)
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)

Moisture Properties

Water Permeability		
Essential characteristics	Performance	Harmonised technical specification (method standard)
Water Absorption, Short Term WS, W_p	$\leq 1 \text{ kg/m}^2$	EN 14303:2009+A1:2013 (EN 13472)

Water Vapour Permeability		
Essential characteristics	Performance	Harmonised technical specification (method standard)
Water Vapour Diffusion Resistance	MV2	EN 14303:2009+A1:2013 (EN 13469)

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