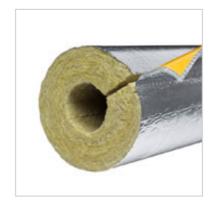
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PAROC Hvac Section AluCoat T





0809-CPR-1016 / VTT Expert Certification Number

Services Ltd, P.O. Box 1001, FI-

02044 VTT, Finland

MW-EN 14303-T8/T9-ST(+)250-**Designation Code**

WS1-MV2-CL10

Short Description Stone wool pipe section with

> reinforced aluminium foil facing. Tape fastening on the longitudinal seam. Thermal and condensation insulation

of pipework and air ducts.

Application

As per: Type-Examination (Module B) certificate No. VTT-C-11534-15-16 issued by VTT.

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

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 - 273 mm	1200 mm
In accordance with EN 13467	In accordance with EN 13467	In accordance with EN 13467

Dimensional Stability		
Property	Value	According to
Maximum Service Temperature - Dimensional	250 °C	EN 14303:2009+A1:2013 (EN 14707)
Stability		

Packaging

Package Type Carton on Pallet, Plastic on Pallet Single Package Size Carton 300 x 400 x 1200 mm

Pallet Size 1200 x 1200 mm

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Fire properties

Reaction to Fire		
Property	Value	According to
Reaction to Fire, Euroclass	A2 _L - s1, d0	EN 14303:2009+A1:2013 (EN 13501-1)

Other Fire Properties		
Property	Value	According to
Fire Classification (IMO)	Non-combustible	IMO FTP Code Part 1
Surface Flammability (IMO)	Surface flammability	IMO FTP Code Part 2 and 5
Combustibility	Base product non-combustible	EN 1182

Thermal Properties

Thermal Resistance		
Property	Value	According to
Thermal Conductivity in 10 °C, λ ₁₀	0,034 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 50 °C, λ ₅₀	0,037 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity 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 ≥ 150 mm	EN 14303:2009+A1:2013

Moisture Properties

Water Permeability		
Property	Value	According to
Water Absorption, Short Term WS, Wp	≤ 1 kg/m²	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	eThe 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.

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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

Thermal conduct

Thermal c

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.

More Information

PAROC Hvac Section AluCoat T can be used to satisfy the requirements as given in the tables for insulation thickness in BS5422:2009. Paroc can offer help and assistance to customers to confirm that the insulation systems proposed do in fact, achieve the necessary performance criteria. PAROC Hvac Section AluCoat T conforms to BS3958-4.

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