

PAROC Pro Section 100



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-ST(+)-640-WS1-CL10
Short Description	Stone wool pipe section.
Application	Thermal insulation in industrial pipework. Fire and thermal insulation for pipes and ducts in ships. Also possible to use with facings AluCoat, G4 and G7. See "Facings".

As per:
 Type-Examination (Module B) certificate No. VTT-C-6624-15-11 issued by VTT.

Nominal Density 100 kg/m³

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 - 160 mm	12 - 1016 mm	1200/1000 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 Stability	640 °C	EN 14303:2009+A1:2013 (EN 14707) .

T8 for outer diameter < 150 mm, T9 for outer diameter ≥150 mm

Packaging

Package Type Cartons or plastic packs on pallet

Fire Properties

Reaction to Fire

Property	Value	According to
Reaction to Fire, Euroclass	A1 _L	EN 14303:2009 (EN 13501-1)

Other Fire Properties

Property	Value	According to
Fire Classification (IMO)	Non-combustible	IMO FTP Code Part 1

Thermal Properties

Thermal Resistance

Property	Value	According to
Thermal Conductivity (declared) in 50 °C, λ_{50}	0.040 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity (declared) in 100 °C, λ_{100}	0.046 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity (declared) in 200 °C, λ_{200}	0.064 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity (declared) in 300 °C, λ_{300}	0.092 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)

Moisture Properties

Water Permeability

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

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)

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