

## PAROC Pro Section 100



Certification Number	0809-CPR-1016 / Eurofins Expert Services Ltd, Kivimiehentie 4, FI-02150 Espoo. Finland
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".

The notified body Eurofins Expert Services Ltd. (0809) performed and issued the certificates: Type-Examination (Module B) certificate No. VTT-C-12177-15-17

Nominal Density	100 kg/m <sup>3</sup>
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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 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)

### Packaging

Package Type	Cartons or plastic packs on pallet
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## Fire Properties

Reaction to Fire		
Property	Value	According to
Reaction to Fire, Euroclass	A1 <sub>L</sub>	EN 14303:2009+A1:2013 (EN 13501-1)

Continuous Glowing Combustion		
Property	Value	According to
Continuous Glowing Combustion	NPD	EN 14303:2009+A1:2013

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 in 50 °C, $\lambda_{50}$	0,039 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 100 °C, $\lambda_{100}$	0,045 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 200 °C, $\lambda_{200}$	0.064 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 300 °C, $\lambda_{300}$	0.092 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, $W_p$	$\leq 1 \text{ kg/m}^2$	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 <sup>-</sup>	< 10 ppm	EN 14303:2009+A1:2013 (EN 13468)

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