

## PRODUCT DATASHEET



### PAROC Pro Section 100 G4

Stone wool pipe section with a white glass fiber cloth with aluminum foil below.

Fire and thermal insulation for pipes and ducts on ships.

Maximum service temperature for PAROC Pro Section 100 G4 is 250°C. Surface temperature of the facing must not exceed 80°C (temperature restriction determined in accordance with heat resistance 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.

Type-Examination (Module B) certificate No. VTT-C-6624-15-11

**Nominal Density**

100 kg/m<sup>3</sup>

**Package Type**

Plastic packs on pallet

DIMENSIONS		
THICKNESS	INNER DIAMETER	PIPE SECTION LENGTH
20 - 100 mm	12 - 273 mm	1200 mm
According to EN 13467	According to EN 13467	According to EN 13467
Other Dimensions: Other dimensions available on request.		

PROPERTY	VALUE	ACCORDING TO
<b>DIMENSIONAL STABILITY</b>		
Maximum Service Temperature - Dimensional Stability	640 °C	EN 14707

## Properties

PROPERTY	VALUE	ACCORDING TO
<b>FIRE PROPERTIES</b>		
Combustibility	Base product non-combustible	EN ISO 1182
Fire Classification (IMO)	Non-combustible	IMO FTP Code Part 1
Surface Flammability (IMO)	Low flame-spread characteristics	IMO FTP Code Part 2 and 5
<b>THERMAL PROPERTIES</b>		
Thermal Conductivity in 50 °C, $\lambda_{50}$	0,039 W/mK	EN ISO 8497
Thermal Conductivity in 100 °C, $\lambda_{100}$	0,045 W/mK	EN ISO 8497
Thermal Conductivity in 150 °C, $\lambda_{150}$	0,054 W/mK	EN ISO 8497
Thermal Conductivity in 200 °C, $\lambda_{200}$	0,064 W/mK	EN ISO 8497
Thermal Conductivity in 250 °C, $\lambda_{250}$	0,077 W/mK	EN ISO 8497
Thermal Conductivity in 300 °C, $\lambda_{300}$	0,092 W/mK	EN ISO 8497
Values announced by the manufacturer.		
<b>MOISTURE PROPERTIES</b>		
Water Absorption, Short Term WS, ( $W_p$ )	$\leq 1$ kg/m <sup>2</sup>	EN 13472
Chloride Ions, Cl-	< 10 ppm	EN 13468
<b>SOUND PROPERTIES</b>		
Sound Absorption	NPD	EN ISO 354
<b>MECHANICAL PROPERTIES</b>		
Compressive Stress at 10 % deformation CS(10), $\sigma_{10}$	NPD	EN 826

## Appearance

Facing Material	White glass fiber cloth with aluminum foil below.
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