

PRODUCT DATASHEET



PAROC Pro Section 100 G7

Stone wool pipe section with a white glass fibre cloth with aluminum facing.

Fire and thermal insulation for pipes and ducts on ships.

Maximum service temperature for PAROC Pro Section 100 G7 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/m³

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
DIMENSIONAL STABILITY		
Maximum Service Temperature - Dimensional Stability	640 °C	EN 14707

Properties

PROPERTY	VALUE	ACCORDING TO
FIRE PROPERTIES		
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
THERMAL PROPERTIES		
Thermal Conductivity in 50 °C, λ_{50}	0,039 W/mK	EN ISO 8497
Thermal Conductivity in 100 °C, λ_{100}	0,045 W/mK	EN ISO 8497
Thermal Conductivity in 150 °C, λ_{150}	0,054 W/mK	EN ISO 8497
Thermal Conductivity in 200 °C, λ_{200}	0,064 W/mK	EN ISO 8497
Thermal Conductivity in 250 °C, λ_{250}	0,077 W/mK	EN ISO 8497
Thermal Conductivity in 300 °C, λ_{300}	0,092 W/mK	EN ISO 8497
Values announced by the manufacturer.		
MOISTURE PROPERTIES		
Water Absorption, Short Term WS, (W_p)	$\leq 1 \text{ kg/m}^2$	EN 13472
Chloride Ions, Cl-	$< 10 \text{ ppm}$	EN 13468
SOUND PROPERTIES		
Sound Absorption	NPD	EN ISO 354
MECHANICAL PROPERTIES		
Compressive Stress at 10 % deformation CS(10), σ_{10}	NPD	EN 826

Appearance

Facing Material	White glass fibre cloth with aluminum facing.
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