

PRODUCT DATASHEET



PAROC Marine Mat 100

Stone wool mat. Also possible to use with facing AluCoat. See "Facings".

Fire and thermal insulation on ships.

Maximum Service Temperature

550 °C (EN 14303:2009+A1:2013 (EN 14706))

Values announced by the manufacturer.

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.

EC Type-Examination (MED Module B) certificate No. 74480/A0 and UK Type-Examination (Module B) certificate No. 74465/A0.

Nominal Density

100 kg/m³

Package Type

Plastic packs on pallet.


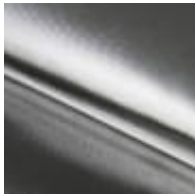
DIMENSIONS	
WIDTH X LENGTH	THICKNESS
500/600/900/1000 x 8000	30 mm
500/600/900/1000 x 6500	40 mm
500/600/900/1000 x 4500	50 mm
500/600/900/1000 x 4000	60 mm
500/600/900/1000 x 3500	70 mm
500/600/900/1000 x 3000	80 mm
500/600/900/1000 x 2000	100 mm
500/600/900/1000 x 2000	120 mm
According to EN 822	According to EN 823

PROPERTY	VALUE	ACCORDING TO
DIMENSIONAL STABILITY		
Maximum Service Temperature - Dimensional Stability	660 °C	EN 14706

Properties

PROPERTY	VALUE	ACCORDING TO
FIRE PROPERTIES		
Fire Classification (IMO)	Non-Combustible	IMO 2010 FTP Code Annex 1 Part 1
THERMAL PROPERTIES		
Thermal Conductivity in 10 °C, λ_{10}	0,036 W/mK	EN 12667
Thermal Conductivity in 50 °C, λ_{50}	0,042 W/mK	EN 12667
Thermal Conductivity in 100 °C, λ_{100}	0,047 W/mK	EN 12667
Thermal Conductivity in 150 °C, λ_{150}	0,054 W/mK	EN 12667
Thermal Conductivity in 200 °C, λ_{200}	0,063 W/mK	EN 12667
Thermal Conductivity in 300 °C, λ_{300}	0,083 W/mK	EN 12667
Thermal Conductivity in 400 °C, λ_{400}	0,110 W/mK	EN 12667
Thermal Conductivity in 500 °C, λ_{500}	0,142 W/mK	EN 12667
Thermal Conductivity in 600 °C, λ_{600}	0,180 W/mK	EN 12667
Thermal Conductivity in 660 °C, λ_{660}	0,205 W/mK	EN 12667
Thermal Conductivity in 250 °C, λ_{250}	0,078 W/mK	EN 12667
Values announced by the manufacturer.		
MOISTURE PROPERTIES		
Water Absorption, Short Term WS, (W_p)	$\leq 1 \text{ kg/m}^2$	EN 1609

Appearance

FACINGS	
	 <p style="text-align: center;">AluCoat</p>  <p style="text-align: center;">G7</p>



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