

## PRODUCT DATASHEET



### PAROC Marine Loose Mat 50

Stone wool mat with low binder content.

Thermal insulation in Marine equipments and applications. Excellent product for irregular shapes and filling when stone wool need to be used as a loose wool insulation.

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. EUFI29-21004781-MED

**Nominal Density**

50 kg/m<sup>3</sup>

**Package Type**

Plastic Packs on Pallet

DIMENSIONS		
WIDTH X LENGTH		THICKNESS
1000 x 2500 - 7000 depending on the thickness mm		40 - 120 mm
According to EN 822		According to EN 823
PROPERTY	VALUE	ACCORDING TO
DIMENSIONAL STABILITY		
Maximum Service Temperature - Dimensional Stability	(+250)350 °C	EN 14706

## Properties

PROPERTY	VALUE	ACCORDING TO
<b>FIRE PROPERTIES</b>		
Reaction to Fire, Euroclass	A1	EN 13501-1
Fire Classification (IMO)	Non-Combustible	IMO 2010 FTP Code Annex 1 Part 1
<b>THERMAL PROPERTIES</b>		
Thermal Conductivity in 50 °C, $\lambda_{50}$	0,042 W/mK	EN 12667
Thermal Conductivity in 100 °C, $\lambda_{100}$	0,054 W/mK	EN 12667
Thermal Conductivity in 150 °C, $\lambda_{150}$	0,068 W/mK	EN 12667
Thermal Conductivity in 200 °C, $\lambda_{200}$	0,085 W/mK	EN 12667
Thermal Conductivity in 250 °C, $\lambda_{250}$	0,106 W/mK	EN 12667
Thermal Conductivity in 300 °C, $\lambda_{300}$	0,132 W/mK	EN 12667
Thermal Conductivity in 400 °C, $\lambda_{400}$	0,199 W/mK	EN 12667
Values announced by the manufacturer.		
<b>MOISTURE PROPERTIES</b>		
Water Absorption Short Term WS, ( $W_p$ )	$\leq 1 \text{ kg/m}^2$	EN 1609



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