

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.

Type-Examination (Module B) certificate No. EUFI29-20002518-MED

Nominal Density

100 kg/m³

Package Type

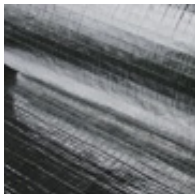

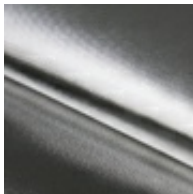
Plastic packs on pallet.

| DIMENSIONS | | |
|---|---------------------|--------------|
| WIDTH X LENGTH | THICKNESS | |
| Width 600 or 1000 mm, length 2000 - 8000 mm, depending on thickness | 30-100 mm | |
| According to EN 822 | According to EN 823 | |
| PROPERTY | VALUE | ACCORDING TO |
| DIMENSIONAL STABILITY | | |
| Maximum Service Temperature - Dimensional Stability | 550 °C | EN 14706 |

Properties

| PROPERTY | VALUE | ACCORDING TO |
|---|-------------------------|--------------------------|
| FIRE PROPERTIES | | |
| Fire Classification (IMO) | Non-Combustible | IMO FTP 2010 Code Part 1 |
| THERMAL PROPERTIES | | |
| Thermal Conductivity in 50 °C, λ_{50} | 0,043 W/mK | EN 12667 |
| Thermal Conductivity in 100 °C, λ_{100} | 0,047 W/mK | EN 12667 |
| Thermal Conductivity in 150 °C, λ_{150} | 0,055 W/mK | EN 12667 |
| Thermal Conductivity in 200 °C, λ_{200} | 0,065 W/mK | EN 12667 |
| Thermal Conductivity in 250 °C, λ_{250} | 0,078 W/mK | EN 12667 |
| Thermal Conductivity in 300 °C, λ_{300} | 0,095 W/mK | EN 12667 |
| Thermal Conductivity in 400 °C, λ_{400} | 0,138 W/mK | EN 12667 |
| Thermal Conductivity in 500 °C, λ_{500} | 0,196 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 | | | |
|---------|---|---|--|
| |  AluCoat |  G4 |  G7 |



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