

PRODUCT DATASHEET



PAROC Marine Navis Mat 90

Stone wool mat. Also possible to use with facing AluCoat and G4. See "Facings".

Fire and thermal insulation on ships.

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. EUFI29-23000569-5-MED

Nominal Density

90 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 5000 | 50 mm |
| 500/600/900/1000 x 4000 | 60 mm |
| 500/600/900/1000 x 3500 | 70 mm |
| 500/600/900/1000 x 3500 | 80 mm |
| 500/600/900/1000 x 3500 | 100 mm |
| According to EN 822 | According to EN 823 |

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} | 0,035 W/mK | EN 12667 |
| Thermal Conductivity in 50 °C, λ_{50} | 0,040 W/mK | EN 12667 |
| Thermal Conductivity in 100 °C, λ_{100} | 0,046 W/mK | EN 12667 |
| Thermal Conductivity in 150 °C, λ_{150} | 0,053 W/mK | EN 12667 |
| Thermal Conductivity in 200 °C, λ_{200} | 0,062 W/mK | EN 12667 |
| Thermal Conductivity in 300 °C, λ_{300} | 0,084 W/mK | EN 12667 |
| Thermal Conductivity in 400 °C, λ_{400} | 0,111 W/mK | EN 12667 |
| Thermal Conductivity in 500 °C, λ_{500} | 0,146 W/mK | EN 12667 |
| Thermal Conductivity in 600 °C, λ_{600} | 0,190 W/mK | EN 12667 |
| Thermal Conductivity in 640 °C, λ_{640} | 0,205 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 |



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