

PRODUCT DATASHEET



PAROC Marine Slab VLO 150

Stone wool slab (cut to lamellas)

Fire insulation for shipbuilding applications.

Maximum service temperature for PAROC Marine Slab VLO 150 is 660°C.

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.

Certification Number

0809-CPR-1016 Eurofins Expert Services Ltd, Kivimiehentie 4, FI-02150 Espoo, Finland

Designation Code

Type-Examination (Module B) certificate No. EUFI29-20002519-MED

Nominal Density

MW-EN 14303-T5
150 kg/m³

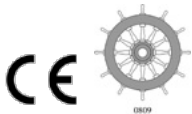
Package Type

Plastic packs on pallet

| DIMENSIONS | |
|--|---------------------|
| WIDTH X LENGTH | THICKNESS |
| 600 x 1200 mm | 20 - 120 mm |
| According to EN 822 | According to EN 823 |
| Other Dimensions: Other dimensions available on request. | |

Properties

| PROPERTY | VALUE | ACCORDING TO |
|---|--|--------------------------|
| FIRE PROPERTIES | | |
| Fire Classification (IMO) | Non-Combustible | IMO FTP 2010 Code Part 1 |
| THERMAL PROPERTIES | | |
| Thermal Conductivity in 10 °C, λ_{10} | 0,039 W/mK | |
| Thermal Conductivity in 50 °C, λ_{50} | 0,042 W/mK | EN 12667 |
| Thermal Conductivity in 100 °C, λ_{100} | 0,046 W/mK | EN 12667 |
| Thermal Conductivity in 200 °C, λ_{200} | 0,060 W/mK | EN 12667 |
| Thermal Conductivity in 300 °C, λ_{300} | 0,081 W/mK | EN 12667 |
| Thermal Conductivity in 400 °C, λ_{400} | 0,110 W/mK | EN 12667 |
| Thermal Conductivity in 500 °C, λ_{500} | 0,147 W/mK | EN 12667 |
| Thermal Conductivity in 600 °C, λ_{600} | 0,192 W/mK | EN 12667 |
| MOISTURE PROPERTIES | | |
| Water Absorption Short Term WS, (W_p) | $\leq 1 \text{ kg/m}^2$ | EN 1609 |
| DURABILITY OF FIRE AND THERMAL PROPERTIES | | |
| Durability of Reaction to Fire Against Ageing/Degradation | No change in reaction to fire properties for mineral wool products. The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time. | |
| Durability of Reaction to Fire Against High Temperature | The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature. | |
| Durability of Thermal Resistance Against Ageing/Degradation | Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air. | |



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