

PAROC Marine Slab LO 150



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| Short Description | Stone wool slab |
| Application | Fire insulation for shipbuilding applications. |
| Issuer | Eurofins Expert Services Ltd, Kivimiehentie 4, FI-02150 Espoo, Finland |

The notified body Eurofins Expert Services Ltd. (0809) performed and issued the certificates: Type-Examination (Module B) certificate No. EUFI29-20002519-MED

Nominal Density 150 kg/m³

Maximum service temperature for PAROC Marine Slab LO 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.

Dimensions

| Dimensions | |
|---------------------------|---------------------------|
| Width x Length | Thickness |
| 600 x 1200 mm | 20 - 120 mm |
| In accordance with EN 822 | In accordance with EN 823 |

Other Dimensions Other dimensions available on request.

Packaging

Package Type Plastic packs on pallet

Fire Properties

| Other Fire Properties | | |
|---------------------------|-----------------|--------------------------|
| Property | Value | According to |
| Fire Classification (IMO) | Non-Combustible | IMO FTP 2010 Code Part 1 |

Thermal Properties

| Thermal Conductivity (values announced by manufacturer) | | |
|---|------------|--------------|
| Property | Value | According to |
| 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

| Property | Value | According to |
|---------------------------------------|-------------------------|--------------|
| Water Absorption Short Term WS, W_p | $\leq 1 \text{ kg/m}^2$ | EN 1609 |

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