

PAROC Marine Lamella Mat 50 AluCoat

PAROC Marine Lamella Mat 50 AluCoat is a non-combustible stone wool lamella mat with glass-fiber scrim reinforced aluminium foil facing for thermal insulation on ships.

The product is also available with G7 facing.



Product datasheet

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| Dimensions | Width x Length (mm) | Thickness (mm) |
|-----------------|---|----------------|
| | 500/1000 x 10000 | 20 |
| 500/1000 x 9000 | 25 | |
| 500/1000 x 8000 | 30 | |
| 500/1000 x 6000 | 40 | |
| 500/1000 x 5000 | 50 | |
| 500/1000 x 4000 | 60 | |
| 500/1000 x 3500 | 70 | |
| 500/1000 x 3000 | 80 | |
| 500/1000 x 2500 | 90 | |
| 500/1000 x 2500 | 100 | |
| 500/1000 x 2400 | 120 | |
| Nominal Density | 50 kg/m ³ Plastic packs on pallet | |

| Product characteristics | Fire Classification (IMO 2010 FTP Code Annex 1) | Type-Examination (Module B) certificate(s) |
|--|---|--|
| | Part 1, Non-combustibility | 74480/A2 MED, 74465/A2 UK |
| Part 5, Low Flame-Spread characteristics | 74479/A2 MED, 74467/A2 UK | |
| Quality system | Surveillance (Module D) certificate(s) | |
| MED | SMS.MED2.D/93834/B.0 | |
| UK | SMS.UK.D/93834/B.0 | |
| Water absorption short term (EN 29767) | ≤ 1 kg/m ² | |
| Thermal conductivity | See table below | |
| Mean temperature (°C) | 10 | |
| Thermal conductivity (W/mK) | 0.039 | |

Fire Properties

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.

Environmental Properties

PAROC stone wool products are made from clean, natural material. They are environmentally friendly throughout their lifecycle, causing no harm to nature during or after their use. Stone wool does not contain any ingredients or chemicals that prevent or impede recycling.

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