

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

1.7.2025

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/A.4	
UK	SMS.UK.D/93834/A.3	
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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