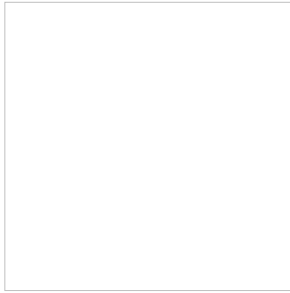


PRODUCT DATASHEET



PAROC Marine Lamella Mat 50 AluCoat

Stone wool lamella mat with a reinforced aluminium foil facing.

Thermal and condensation insulation of air ducts and other ventilation ducts and equipment.

Surface temperature of the facing must not exceed 80°C (temperature restriction determined in accordance with heat resistance adhesive).

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.

MED Type-Examination (Module B) certificates No. 74480/A0 and 74479/A0 and UK Type-Examination (Module B) certificates No. 74465/A0 and 74467/A0.

Nominal Density
Package Type

50 kg/m³
Plastic Packs on Pallet

DIMENSIONS	
WIDTH X LENGTH	THICKNESS
500, 1000 x 10000 mm	20 mm
500, 1000 x 9000 mm	25 mm
500, 1000 x 8000 mm	30 mm
500, 1000 x 6000 mm	40 mm
500, 1000 x 5000 mm	50 mm
500, 1000 x 4000 mm	60 mm
500, 1000 x 3500 mm	70 mm
500, 1000 x 3000 mm	80 mm
500, 1000 x 2500 mm	90 mm
500, 1000 x 2500 mm	100 mm
500, 1000 x 2400 mm	120 mm
According to EN 822	According to EN 823

PROPERTY	VALUE	ACCORDING TO
DIMENSIONAL STABILITY		
Maximum Service Temperature - Dimensional Stability	500°C	EN 14706

Properties

PROPERTY	VALUE	ACCORDING TO
FIRE PROPERTIES		
Fire Classification (IMO)	Non-Combustible	IMO 2010 FTP Code Annex 1 Part 1
Surface Flammability (IMO)	Low flame spread	IMO 2010 FTP Code Annex 1 Part 5
THERMAL PROPERTIES		
Thermal Conductivity in 10 °C, λ_{10}	0,039 W/mK	EN 12667
Thermal Conductivity in 50 °C, λ_{50}	0,045 W/mK	EN 12667
Thermal Conductivity in 100 °C, λ_{100}	0,055 W/mK	EN 12667
Thermal Conductivity in 150 °C, λ_{150}	0,066 W/mK	EN 12667
Thermal Conductivity in 200 °C, λ_{200}	0,081 W/mK	EN 12667
Thermal Conductivity in 300 °C, λ_{300}	0,120 W/mK	EN 12667
Thermal Conductivity in 400 °C, λ_{400}	0,169 W/mK	EN 12667
Thermal Conductivity in 500 °C, λ_{500}	0,230 W/mK	EN 12667
Dimensions and Tolerances	T4	EN 823
MOISTURE PROPERTIES		
Water Absorption, Short Term WS, (W_p)	$\leq 1 \text{ kg/m}^2$	EN 1609
Water Vapour Diffusion Resistance	MV2	EN 12086
Chloride Ions, Cl-	< 10 ppm	EN 13468
SOUND PROPERTIES		
Sound Absorption	NPD	EN ISO 354
MECHANICAL PROPERTIES		
Compressive Stress at 10 % deformation CS(10), σ_{10}	NPD	EN 826
EMISSIONS		
Release of Dangerous Substances	NPD	

Appearance

Facing Material	Reinforced alulaminat facing.
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