

PAROC Marine Floor Slab 140



Certification Number VTT-C-11346-15-15 / VTT Expert Services Ltd
 Short Description Stone wool slab
 Application Stone wool slab for floating floors on ships.

As per:
 Type-Examination (Module B) certificate No. VTT-C-11346-15-15 issued by VTT.

Nominal Density 140 kg/m³

Maximum service temperature for PAROC Marine Floor Slab 140 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	30 - 100 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 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

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

Mechanical Properties

Compressive Strength		
Property	Value	According to
Compressive stress at 10 % deformation CS(10), σ_{10}	≥ 20	EN 826

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