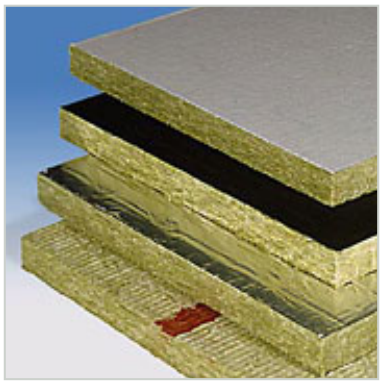
PAROC Marine Fire Slab 110



Certification Number	0809-CPR-1016 / VTT Expert Services Ltd, P.O. Box 1001, FI-02044 VTT, Finland, 9.6.2014
Designation Code	MW-EN 14303-T5-WS1
Short Description	Stone wool fire slab. Also possible to use with facings AluCoat, G1, G2, G3, G4, G7, N3 and N5. See "Facings".
Application	Fire protection for ducts and constructions on ships.

As per:
Type-Examination (Module B) certificate No. VTT-C-5815-15-10 issued by VTT.

Nominal Density	110 kg/m³

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	25 - 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

Reaction to Fire		
Property	**Value**	**According to**
Reaction to Fire, Euroclass	A1	EN 14303:2009 (EN 13501-1)

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

Thermal Properties

Thermal Resistance		
Property	**Value**	**According to**
Thermal Conductivity (declared) in 10 °C, λ_{10}	0.037 W/mK	EN 14303:2009+A1:2013 (EN 12667)

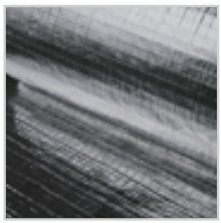
Thermal Conductivity (values announced by manufacturer)		
Property	**Value**	**According to**
Thermal Conductivity in 10 °C, λ_{10}	0.033 W/mK	
Thermal Conductivity in 50 °C, λ_{50}	0.038 W/mK	
Thermal Conductivity in 100 °C, λ_{100}	0.045 W/mK	
Thermal Conductivity in 150 °C, λ_{150}	0.053 W/mK	
Thermal Conductivity in 200 °C, λ_{200}	0.063 W/mK	
Thermal Conductivity in 300 °C, λ_{300}	0.087 W/mK	
Thermal Conductivity in 400 °C, λ_{400}	0.117 W/mK	
Thermal Conductivity in 500 °C, λ_{500}	0.152 W/mK	

Values announced by the manufacturer.

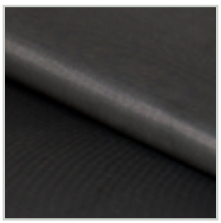
Moisture Properties

Water Permeability		
Property	**Value**	**According to**
Water Absorption, Short Term WS, W_p	≤ 1 kg/m²	EN 14303:2009+A1:2013 (EN 1609)

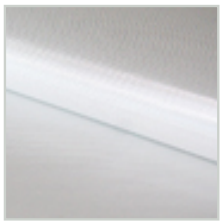
Facings

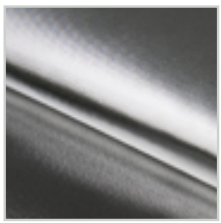

AluCoat


G1


G2


G3


G4


G7


N3


N5

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