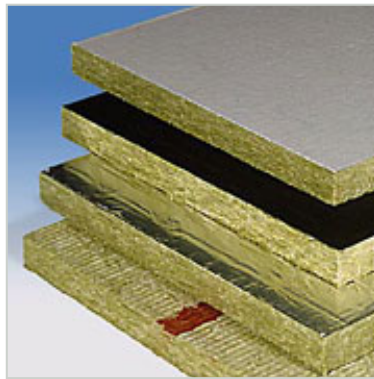


PAROC Marine Fire Slab 110



Certification Number	0809-CPR-1016 / Eurofins Expert Services Ltd, Kivimiehentie 4, FI-02150 Espoo, Finland
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.

The notified body Eurofins Expert Services Ltd. (0809) performed and issued the certificates: Type-Examination (Module B) certificate No. EUFI29-20002521-MED

Nominal Density	110 kg/m ³
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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.
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Packaging

Package Type	Plastic packs on pallet
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Fire Properties

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

Continuous Glowing Combustion		
Property	Value	According to
Continuous Glowing Combustion	NPD	EN 14303:2009+A1:2013

Other Fire Properties		
Property	Value	According to
Fire Classification (IMO)	Non-Combustible	IMO FTP 2010 Code Part 1

Thermal Properties

Thermal Resistance		
Property	Value	According to
Thermal Conductivity in 10 °C, λ_{10}	0,037 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Dimensions and Tolerances	T5	EN 14303:2009+A1:2013

Thermal Conductivity (values announced by manufacturer)		
Property	Value	According to
Thermal Conductivity in 50 °C, λ_{50}	0,043 W/mK	EN 12667
Thermal Conductivity in 100 °C, λ_{100}	0,047 W/mK	EN 12667
Thermal Conductivity in 200 °C, λ_{200}	0,065 W/mK	EN 12667
Thermal Conductivity in 300 °C, λ_{300}	0,095 W/mK	EN 12667
Thermal Conductivity in 400 °C, λ_{400}	0,138 W/mK	EN 12667
Thermal Conductivity in 500 °C, λ_{500}	0,196 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 14303:2009+A1:2013 (EN 1609)

Water Vapour Permeability		
Property	Value	According to
Water Vapour Diffusion Resistance	NPD	EN 14303:2009+A1:2013 (EN 12086)

Sound Properties

Acoustic Absorption Index		
Property	Value	According to
Sound Absorption	NPD	EN 14303:2009+A1:2013 (EN ISO 354)

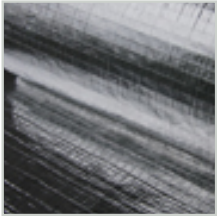
Mechanical Properties

Compressive Strength		
Property	Value	According to
Compressive Stress at 10 % deformation CS(10), σ_{10}	NPD	EN 14303:2009+A1:2013 (EN 826)

Emissions

Release of Dangerous Substances to the Indoor Environment		
Property	Value	According to
Release of Dangerous Substances	NPD	EN 14303:2009+A1:2013

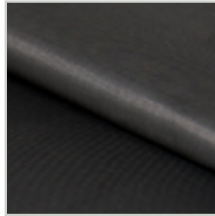
Facings



AluCoat



G1



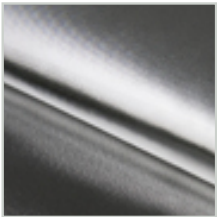
G2



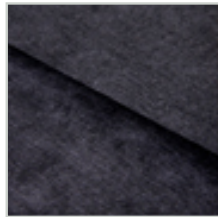
G3



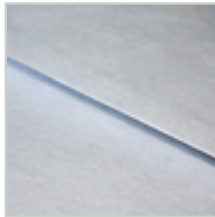
G4



G7



N3



N5

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