

## PRODUCT DATASHEET



### PAROC Marine Fire Slab 100

Stone wool fire slab. Also possible to use with facings AluCoat, G1, G2, G3, G4, G7, N3 and N5. See "Facings".

Fire protection on ships.

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.

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

Type-Examination (Module B) certificate No. EUFI29-20002521-MED

**Designation Code** MW-EN 14303-T5-WS1

**Nominal Density** 100 kg/m<sup>3</sup>

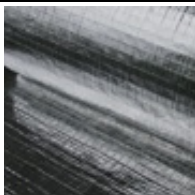
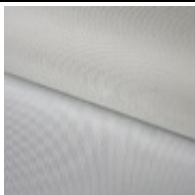

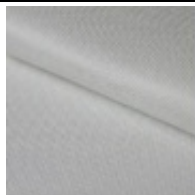

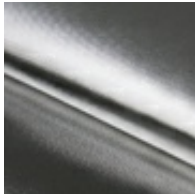
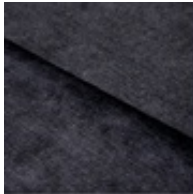

**Package Type** Plastic packs on pallet

DIMENSIONS	
WIDTH X LENGTH	THICKNESS
600 x 1200 mm	25 - 100 mm
According to EN 822	According to EN 823
Other Dimensions: Other dimensions available on request.	

## Properties

PROPERTY	VALUE	ACCORDING TO
<b>FIRE PROPERTIES</b>		
Reaction to Fire, Euroclass	A1	EN 14303:2009 (EN 13501-1)
Continuous Glowing Combustion	NPD	EN 14303:2009+A1:2013
Fire Classification (IMO)	Non-Combustible	IMO FTP 2010 Code Part 1
<b>THERMAL PROPERTIES</b>		
Thermal Conductivity in 10 °C, $\lambda_{10}$	0,037 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Dimensions and Tolerances	T5	EN 14303:2009+A1:2013
Thermal Conductivity in 50 °C, $\lambda_{50}$	0,043 W/mK	EN 12667
Thermal Conductivity in 100 °C, $\lambda_{100}$	0,047 W/mK	EN 12667
Thermal Conductivity in 200 °C, $\lambda_{200}$	0,065 W/mK	EN 12667
Thermal Conductivity in 300 °C, $\lambda_{300}$	0,095 W/mK	EN 12667
Thermal Conductivity in 400 °C, $\lambda_{400}$	0,138 W/mK	EN 12667
Thermal Conductivity in 500 °C, $\lambda_{500}$	0,196 W/mK	EN 12667
<b>MOISTURE PROPERTIES</b>		
Water Absorption, Short Term WS, ( $W_p$ )	$\leq 1 \text{ kg/m}^2$	EN 14303:2009+A1:2013 (EN 1609)
Water Vapour Diffusion Resistance	NPD	EN 14303:2009+A1:2013 (EN 12086)
<b>SOUND PROPERTIES</b>		
Sound Absorption	NPD	EN 14303:2009+A1:2013 (EN ISO 354)
<b>MECHANICAL PROPERTIES</b>		
Compressive Stress at 10 % deformation CS(10), $\sigma_{10}$	NPD	EN 14303:2009+A1:2013 (EN 826)
<b>EMISSIONS</b>		
Release of Dangerous Substances	NPD	EN 14303:2009+A1:2013
<b>DURABILITY OF FIRE AND THERMAL PROPERTIES</b>		
Durability of Reaction to Fire Against Ageing/Degradation	No change in reaction to fire properties for mineral wool products. The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.	
Durability of Reaction to Fire Against High Temperature	The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature.	
Durability of Thermal Resistance Against Ageing/Degradation	Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.	

## Appearance

FACINGS				
				
	AluCoat	G1	G2	G3
				
	G4	G7	N3	N5



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