

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/m³
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		
FIRE PROPERTIES				
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		
THERMAL PROPERTIES				
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 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 Absorption, Short Term WS, (W _p)	≤ 1 kg/m ²	EN 14303:2009+A1:2013 (EN 1609)		
Water Vapour Diffusion Resistance	NPD	EN 14303:2009+A1:2013 (EN 12086)		
SOUND PROPERTIES				
Sound Absorption	NPD	EN 14303:2009+A1:2013 (EN ISO 354)		
MECHANICAL PROPERTIES				
Compressive Stress at 10 % deformation CS(10), σ_{10}	NPD	EN 14303:2009+A1:2013 (EN 826)		
EMISSIONS	·	·		
Release of Dangerous Substances	NPD	EN 14303:2009+A1:2013		
DURABILITY OF FIRE AND THERMAL PROPERT	IES			
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				
	AuCoat	G1	62	G3
	64	G7	N3	N5



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