PAROC Slab 220

Stone wool slab

Thermal insulation slab for industrial applications.

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.

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Designation Code MW-EN 14303-T5-ST(+)660-WS1-CL10

Application Code 10.03.01.50.05 * (AGI Q 132)

Nominal Density 220 kg/m³

Package Type Plastic packs on pallet

DIMENSIONS	
WIDTH X LENGTH	**THICKNESS**
600 x 1200 mm	20 - 90 mm
According to EN 822	According to EN 823
Other Dimensions: Other dimensions available on request.	

PROPERTY	VALUE	ACCORDING TO
DIMENSIONAL STABILITY		
Maximum Service Temperature - Dimensional Stability	660 °C	EN 14303:2009+A1:2013 (EN 14706)

Properties

PROPERTY	VALUE	ACCORDING TO
FIRE PROPERTIES		
Reaction to Fire, Euroclass	A1	EN 14303:2009 (EN 13501-1)
THERMAL PROPERTIES		
Thermal Conductivity (declared) in 50 °C, λ_{50}	0.047 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity (declared) in 100 °C, λ_{100}	0.050 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity (declared) in 200 °C, λ_{200}	0.058 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity (declared) in 300 °C, λ_{300}	0.071 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity (declared) in 400 °C, λ_{400}	0.087 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity (declared) in 500 °C, λ_{500}	0.107 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity (declared) in 600 °C, λ_{600}	0.131 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Dimensions and Tolerances	T5	EN 14303:2009+A1:2013
MOISTURE PROPERTIES		
Water Absorption, Short Term WS, (W_p)	≤ 1 kg/m²	EN 14303:2009+A1:2013 (EN 1609)
Chloride Ions, Cl-	< 10 ppm	EN 14303:2009+A1:2013 (EN 13468)
Chloride content not declared for products produced in Parainen.		
DURABILITY OF FIRE AND THERMAL PROPERTIES		
Durability of Reaction to Fire Against Ageing/Degradation	The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of 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.	

Durability of Thermal Resistance Against High Temperature	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.

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