PAROC WAS 50t

Wall slab

Semi-rigid, fire safe stone wool with high thermal insulation performance. It is faced with a natural coloured glass tissue.

Thermal insulation in external walls, curtain walls etc in new and old buildings. It could be used in one layer or in a two layer-system in combination with flexible insulation. A two-layer system creates a continuous thermal insulation layer which improve the thermal perfomance.

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-1015 VTT Expert Services Ltd, P.O. Box 1001, FI-02044 VTT, Finland, 18.12.2013

Designation Code MW-EN13162-T4-DS(70,-)-WS-WL(P)-MU1

Package Type Plastic Package or Plastic Packages on a Pallet

DIMENSIONS	
WIDTH X LENGTH	**THICKNESS**
600 x 1200 mm	50 - 150 mm
According to EN 822	According to EN 823
Other Dimensions: Other sizes available on request.	

PROPERTY	VALUE	ACCORDING TO
DIMENSIONAL STABILITY		
Dimensional Stability at Specified Temperature (Declared), DS(70,-)	≤ 1 %	EN 13162:2012 (EN 1604)

Properties

PROPERTY	VALUE	ACCORDING TO
FIRE PROPERTIES		
Reaction to Fire, Euroclass	A1	EN 13162:2012 (EN 13501-1)
Continuous Glowing Combustion	NPD	EN 13162:2012
Combustibility	Non-combustible	EN ISO 1182
THERMAL PROPERTIES		
Thermal Resistance	http://www.paroc.com/~/media/Files/Solutions%20and%20Products/thermal-resistance-table-INT.ashx	EN 13162:2012
Thermal Conductivity λ_D	0,034 W/mK	EN 13162:2012
Thickness Tolerance, T	T4	EN 13162:2012 (EN 823)
Air Flow Resistivity AF_R	NPD	EN 13162:2012 (EN 29053)
Air Permeability Coefficient for Facing, L	50×10^{-6} m³/m²Pa	
MOISTURE PROPERTIES		
Water Absorption, Short Term WS, (W_p)	≤ 1 kg/m²	EN 13162:2012 (EN 1609)
Water Absorption, Long Term WL(P), (W_{lp})	≤ 3 kg/m²	EN 13162:2012 (EN 12087)
Water Vapour Transmission MU, µ	1	EN 13162:2012 (EN 12086)
SOUND PROPERTIES		
Sound Absorption	NPD	EN 13162:2012 (EN ISO 354)
EMISSIONS		
Release of Dangerous Substances	NPD	EN 13162:2012
DURABILITY OF FIRE AND THERMAL PROPERTIES		
Durability of Reaction to Fire Against Heat, Weathering, 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 Thermal Resistance Against Heat, Weathering, 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.	

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