

PAROC WAS 35t

Wall slab



Certification Number	0809-CPR-1015 / VTT Expert Services Ltd, P.O. Box 1001, FI-02044 VTT, Finland, 7.7.2014
Designation Code	MW-EN13162-T5-DS(T+)-WS-WL(P)-MU1
Short Description	Rigid, fire safe stone wool slab with high thermal insulation performance. It is faced with a natural coloured glass tissue.
Application	Thermal insulation in different 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 performance.

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	30 - 150 mm
1200 x 1800 mm	30 - 150 mm
1200 x 2700 mm	30 - 150 mm
In accordance with EN 822	In accordance with EN 823

Dimensional Stability		
Description	Value	In accordance with
Dimensional Stability at Specified Temperature (Declared), DS(70,-)	≤ 1 %	EN 1604

Other Dimensions Other sizes available on request.

Packaging

Package Type Loose product on a wooden pallet with plastic wrapping

Fire Properties

Reaction to Fire		
Essential characteristics	Performance	Harmonised technical specification (method standard)
Reaction to Fire, Euroclass	A1	EN 13162:2012 (EN 13501-1)

Other Fire Properties		
Description	Value	In accordance with
Combustibility	Non-combustible	EN ISO 1182

Thermal Properties

Thermal Resistance		
Essential characteristics	Performance	Harmonised technical specification (method standard)
Thermal Resistance	See product label	EN 13162:2012
Thermal Conductivity λ_D	0,033 W/mK	EN 13162:2012 (EN 13162)
Insulation Thickness	See product label	EN 13162:2012
Thickness Tolerance, T	T5	EN 13162

Air Permeability		
Description	Value	In accordance with
Air permeability, ik	$35 \times 10^{-6} \text{ m}^3/\text{m}^2\text{sPa}$	VTT-C/Sr 1967

Moisture Properties

Water Permeability		
Essential characteristics	Performance	Harmonised technical specification (method standard)
Water Absorption, Short Term WS, W_p	$\leq 1 \text{ kg/m}^2$	EN 13162:2012 (EN 1609)
Water Absorption, Long Term WL(P), W_{lp}	$\leq 3 \text{ kg/m}^2$	EN 13162:2012 (EN 12087)

Water Vapour Permeability		
Essential characteristics	Performance	Harmonised technical specification (method standard)
Water Vapour Transmission MU, μ	1	EN 13162:2012 (EN 12086)

Durability

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.

Facings

Facing Material: Glass fibre tissue

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