

## PRODUCT DATASHEET

### PAROC WAS 35t



#### Wall slab

Rigid, fire safe stone wool slab with high thermal insulation performance. It is faced with a natural coloured glass tissue.

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.

**Certification Number**  
**Designation Code**  
**Package Type**

0809-CPR-1015 Eurofins Expert Services Ltd, P.O. Box 1001, FI-02044 VTT, Finland  
MW-EN13162-T5-DS(70,-)-WS-WL(P)-MU1-AFr20  
Loose product on a wooden pallet with plastic wrapping

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
According to EN 822	According to EN 823
Other Dimensions: Other sizes available on request.	

PROPERTY	VALUE	ACCORDING TO
<b>DIMENSIONAL STABILITY</b>		
Dimensional Stability at Specified Temperature, DS(70,-)	≤ 1 %	EN 13162:2012 + A1:2015 (EN 1604)

## Properties

PROPERTY	VALUE	ACCORDING TO
<b>FIRE PROPERTIES</b>		
Reaction to Fire, Euroclass	A1	EN 13162:2012 + A1:2015 (EN 13501-1)
Continuous Glowing Combustion	NPD	EN 13162:2012 + A1:2015
Combustibility	Non-combustible	EN ISO 1182
<b>THERMAL PROPERTIES</b>		
Thermal Resistance	<a href="https://paroc.com/thermal-resistance-table">https://paroc.com/thermal-resistance-table</a>	EN 13162:2012 + A1:2015
Thermal Conductivity $\lambda_D$	0,033 W/mK	EN 13162:2012 + A1:2015
Thickness Tolerance, T	T5	EN 13162:2012 + A1:2015 (EN 823)
Air Flow Resistivity $AF_R$	20 kPa*s/m <sup>2</sup>	EN 13162:2012 + A1:2015 (EN 29053)
Air Permeability Coefficient, $l$	35 x 10 <sup>-6</sup> m <sup>2</sup> /Pa*s	EN 29053
<b>MOISTURE PROPERTIES</b>		
Water Absorption, Short Term $WS, (W_p)$	≤ 1 kg/m <sup>2</sup>	EN 13162:2012 + A1:2015 (EN 1609)
Water Absorption, Long Term $WL(P), (W_{lp})$	≤ 3 kg/m <sup>2</sup>	EN 13162:2012 + A1:2015 (EN 12087)
Water Vapour Transmission MJ, $\mu$	1	EN 13162:2012 + A1:2015 (EN 12086)
Water Vapour Resistance Z	NPD	EN 13162:2012+A1:2015
<b>SOUND PROPERTIES</b>		
Sound Absorption	NPD	EN 13162:2012 + A1:2015 (EN ISO 354)
Dynamic Stiffness SD	NPD	EN 13162:2012 + A1:2015 (EN 29052-1)
<b>MECHANICAL PROPERTIES</b>		
Compressive Stress at 10 % deformation $CS(10), \sigma_{10}$	NPD	EN 13162:2012 + A1:2015 (EN 826)
Compressive Strength $CS(Y), \sigma_m$	NPD	EN 13162:2012 + A1:2015 (EN 826)
Point Load PL(5)	NPD	EN 13162:2012 + A1:2015 (EN 12340)
Tensile Strength Perpendicular to Faces TR, $\sigma_{mt}$	NPD	EN 13162:2012 + A1:2015 (EN 1607)
Compressibility CP	NPD	EN 13162:2012 + A1:2015
<b>EMISSIONS</b>		
Release of Dangerous Substances	NPD	EN 13162:2012 + A1:2015
<b>DURABILITY OF COMPRESSIVE STRENGTH AGAINST AGEING/DEGRADATION</b>		
Compressive Creep $CC(i_1/i_2/y)\sigma_c, X_{ct}$	NPD	EN 13162:2012 + A1:2015 (EN 1606)
<b>DURABILITY OF FIRE AND THERMAL PROPERTIES</b>		
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.	

## Appearance

Facing Material	Glass fibre tissue
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