

## PRODUCT DATASHEET



### PAROC Fatio

#### Rendered facade slab

Rigid, fire safe stone wool slab with high thermal insulation performance.

Thermal insulation for facades with thick rendering systems. Connected to the base by mechanical connectors, according system holder's instructions.

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.

<b>Certification Number</b>	0809-CPR-1015 Eurofins Expert Services Ltd, P.O. Box 1001, FI-02044 VTT, Finland
<b>Designation Code</b>	MW-EN13162-T5-DS(70,90)-CS(10)10-TR5-WS-WL(P)-MU1
<b>Package Type</b>	Plastic Package, Plastic Packages on a Pallet or Loose Product on a Pallet

DIMENSIONS	
WIDTH X LENGTH	THICKNESS
600 x 1200 mm	40 - 200 mm
According to EN 822	According to EN 823

  

PROPERTY	VALUE	ACCORDING TO
<b>DIMENSIONAL STABILITY</b>		
Dimensional Stability under Specified Temperature and Humidity Conditions, DS(70,90)	≤ 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 $\lambda_D$	0,035 W/mK	EN 13162:2012 + A1:2015 (EN 13162)
Thickness Tolerance, T	T5	EN 13162:2012 + A1:2015 (EN 823)
Air Flow Resistivity $AF_R$	NPD	EN 13162:2012 + A1:2015 (EN 29053)
<b>MOISTURE PROPERTIES</b>		
Water Absorption, Short Term $W_S, (W_p)$	$\leq 1 \text{ kg/m}^2$	EN 13162:2012 + A1:2015 (EN 1609)
Water Absorption, Long Term $W_L(P), (W_p)$	$\leq 3 \text{ kg/m}^2$	EN 13162:2012 + A1:2015 (EN 12087)
Water Vapour Transmission $MU, \mu$	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)
Compressibility	NPD	EN 13162:2012 + A1:2015
<b>MECHANICAL PROPERTIES</b>		
Compressive Stress at 10 % deformation $CS(10), \sigma_{10}$	10 kPa	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 $TR, \sigma_{mt}$	5 kPa	EN 13162:2012 + A1:2015 (EN 1607)
<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.	

## Handling

INSTALLATION	
Work Descriptions	The slab shall be installed with the marked surface against the wall.



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