

PRODUCT DATASHEET



PAROC WPS 3n

Wind protection slab

Rigid, fire safe stone wool slab with high thermal insulation performance. It is faced with a vapour permeable, windproof Tyvek® membrane.

Thermal insulation in external walls. The integrated vapour permeable facing creates a wind and waterproof protection of the construction. The seams should therefore be sealed with a special WPS tape in order to minimise air and water leakage.

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)-Z(0,10)
Plastic Package, Plastic Packages on a Pallet or Loose Product on a Pallet

DIMENSIONS	
WIDTH X LENGTH	THICKNESS
1200 x 3000 mm	50 - 70 mm
1200 x 1800 mm	50 - 70 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, DS(70,-)	≤ 1 %	EN 13162:2012 + A1:2015 (EN 1604)

Properties

PROPERTY	VALUE	ACCORDING TO
FIRE PROPERTIES		
Reaction to Fire, Euroclass	NPD	EN 13162:2012 + A1:2015 (EN 13501-1)
Continuous Glowing Combustion	NPD	EN 13162:2012 + A1:2015
Combustibility	Base product non-combustible	EN ISO 1182
Fire classification is A2-s1, d0 when the Tyvek is on the back side of the product.		
THERMAL PROPERTIES		
Thermal Resistance	https://www.paroc.com/~media/Files/Solutions%20and%20Products/thermal-resistance-table-INT.ashx	EN 13162:2012 + A1:2015
Thermal Conductivity λ_D	0,032 W/mK	EN 13162:2012 + A1:2015
Thickness Tolerance, T	T5	EN 13162:2012 + A1:2015 (EN 823)
Air Flow Resistivity A_{FR}	NPD	EN 13162:2012 + A1:2015 (EN 29053)
Air Permeability Coefficient for Facing, L	$<10 \times 10^{-4} \text{ m}^3/\text{m}^2\text{Pa}\cdot\text{s}$	
MOISTURE PROPERTIES		
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 $W_L(P), (W_{lp})$	$\leq 3 \text{ kg/m}^2$	EN 13162:2012 + A1:2015 (EN 12087)
Water Vapour Transmission MU, μ	NPD	EN 13162:2012 + A1:2015
Water Vapour Resistance Z	0,10 $\text{m}^2\text{hPa}/\text{mg}$	EN 13162:2012 + A1:2015
SOUND PROPERTIES		
Sound Absorption	NPD	EN 13162:2012 + A1:2015 (EN ISO 354)
Dynamic Stiffness SD	NPD	EN 13162:2012 + A1:2015 (EN 29052-1)
MECHANICAL PROPERTIES		
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, σ_{mt}	NPD	EN 13162:2012 + A1:2015 (EN 1607)
Compressibility CP	NPD	EN 13162:2012 + A1:2015
EMISSIONS		
Release of Dangerous Substances	NPD	EN 13162:2012 + A1:2015
DURABILITY OF COMPRESSIVE STRENGTH AGAINST AGEING/DEGRADATION		
Compressive Creep $CC((1/12/y)\sigma_c, X_{ct})$	NPD	EN 13162:2012 + A1:2015 (EN 1606)
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.	

Appearance

Facing Material	Tyvek® membrane
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