

PRODUCT DATASHEET



PAROC eXtra

General Insulation slab

Flexible multi purpose insulation slab.

General insulation PAROC eXtra is non-combustible stone wool insulation for thermal, sound and fire insulation applications like walls, attics and floors in all kind of buildings.

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-T2-DS(70,-)-WS-WL(P)-MU1-AFr8
Plastic Package or Big Pack

DIMENSIONS		
WIDTH X LENGTH	THICKNESS	
565 x 1220 mm	50 - 150 mm	
610 x 1220 mm	42 - 150 mm	
870 x 920 mm	100 – 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, DS(70,-)	≤ 1 %	EN 13162:2012 + A1:2015 (EN 1604)

Properties

PROPERTY	VALUE	ACCORDING TO
FIRE PROPERTIES		
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
THERMAL PROPERTIES		
Thermal Resistance	https://paroc.com/thermal-resistance-table	EN 13162:2012 + A1:2015
Thermal Conductivity λ_D	0.036 W/mK	EN 13162:2012 + A1:2015
Thickness Tolerance, T	T2	EN 13162:2012 + A1:2015 (EN 823)
Air Flow Resistivity AF_R	8 kPa*s/m ²	EN 13162:2012 + A1:2015 (EN 29053)
Air Permeability Coefficient, l	$\sim 85 \times 10^{-6} \text{ m}^2/\text{Pa*s}$	EN 29053
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_p)	$\leq 3 \text{ kg/m}^2$	EN 13162:2012 + A1:2015 (EN 12087)
Water Vapour Transmission MJ, μ	1	EN 13162:2012 + A1:2015 (EN 12086)
Water Vapour Resistance Z	NPD	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)
Compressibility	NPD	EN 13162:2012 + A1:2015
MECHANICAL PROPERTIES		
Compressive Stress at 10 % deformation $CS(10)$, σ_{10}	NPD	EN 13162:2012 + A1:2015 (EN 826)
Compressive Strength $CS(Y)$, σ_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)
EMISSIONS		
Release of Dangerous Substances	NPD	EN 13162:2012 + A1:2015
DURABILITY OF COMPRESSIVE STRENGTH AGAINST AGEING/DEGRADATION		
Compressive Creep $CC(i_1/i_2/y)\sigma_c X_{ct}$	NPD	EN 13162:2012 + A1:2015
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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