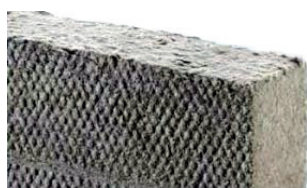




FIBRANGeo BT-40

WATER-REPELLENT RIGID PANEL IN BIOSOLUBLE STONE WOOL WITH SEMI-ORIENTED FIBRES AND NOMINAL DENSITY • ACCORDING TO UNI EN 13162



DESCRIPTION

Water-repellent rigid panel made of biosoluble rock wool with semi oriented fibres with a nominal density - variable according to the thickness - of 130-150 kg/m³ and treated with thermosetting resins. FIBRANGeo panel BP-40 is CE marked according to UNI EN 13162.



RANGE OF APPLICATION

Thermal and acoustic insulation of flat roofs that cannot be walked on or are occasionally walked on.
Thermal and acoustic insulation of sloping roofs.

Dimensions	600x1200 mm
Thermal Conductivity (at 10°C)	$\lambda_D = 0,036$ W/m K according to EN 12667 and EN 12939
Fire reaction	A1 according to EN 13501-1
Specific heat	$C_p = 1,03$ kJ/kg theoretical value according to EN 10456
Vapour resistance factor	$\mu = 1$ according to EN 12086
Short-term water absorption	$W_p < 1$ kg/m ² according to EN 1609
Long-term water absorption	$W_{pl} < 3$ kg/m ² according to EN 12087
Compres. Strength	$\sigma_m = 40$ kPa according to EN 826
Compres. Strength (concentrated cargo)	400 N according to EN 12430
Compressibility	$C_p = 2$ mm according to EN 13162 and EN 12431
Tensile strength	$\left(\frac{\perp}{\perp}\right)_{mt} \geq 15$ kPa according to EN 1607
Shear resistance	$\left(\frac{\parallel}{\parallel}\right)_{t} \geq 20$ kPa according to EN 12090
Air Flow Resistance	60 kPa s/m ² according to EN 29053
Dynamic stiffness	$s' = 27$ MN/m ³ (thickness 50 mm) according to EN 29052-1
Sound absorption	$\alpha_w = 0,95$ (for thicknesses $d_N \geq 50$ mm) according to ISO 11654
Packaging	panels in packs on pallets

CHARACTERISTICS

PACKAGING

thickness panels [mm]	thermal resistance [m ² k/W]	Quantity pack [m ²]	Packs/pallet	Quantity pallet [m ²]
40	1,10	4,32	20	86,40
50	1,35	4,32	16	69,12
60	1,65	3,60	16	57,60
80	2,20	2,88	14	40,32



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Health and Safety:

FIBRANGeo stone wool products comply with the parameters of note Q of European Directive 97/69/EC (implemented in Italy with Ministerial Decree 01/09/1998), as referred to in European Regulation 1272/2008/EC. The fiber of FIBRANGeo products is biosoluble (certified by the FRAUNHOFER-ITEM institute no. 02G03002 dated 19/05/2003). EUCEB Certificate n° 156 of 12/03/2009 –European Certification for Mineral Wool products.

EUCEB Certification

All FIBRANGeo stone wool products are certified according to the EUCEB (European Certification Board for Mineral Wool Products) mark. EUCEB is an independent body which ensures, through its procedures, that mineral wool complies with Note Q of Directive 97/69/EC or its biosolubility and non-classification as a carcinogen. Furthermore, according to European Regulation 790/2009/EC (10 August 2009), mineral wool is not classified as a skin irritant.



MALVIN

Superficial imperfections and any areas of non-adhesion between the coating and the foam originate from the production process and do not in any way affect the physical and mechanical properties of the entire panel.



MALVIN



SEDE LEGALE E STABILIMENTO • Zona ASI - SS 7 Bis Km 15,400 - 81030 Gricignano di Aversa (CE)
TEL. + 39 081 8132780 - 5029713  800 - 142 999 • FAX + 39 081 5029748 • commerciale@malvinsrl.com - www.malvinsrl.com