



FIBRANGeo BT-30



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



DESCRIPTION

Water-repellent rigid panel made of biosoluble rock wool with semi oriented fibres with nominal density - variable according to thickness - 110-150 kg/m³ (average value 120 kg/m³), treated with thermosetting resins. FIBRANGeo panel BP-30 is CE marked according to UNI EN 13162.

Range of application

Thermal and acoustic insulation of sloping roofs.

Dimensions

Thermal Conductivity (at 10°C)

Fire reaction

Specific heat

Vapour resistance factor

Short-term water absorption

Long-term water absorption

Compressive strength

Compressive strength (concentrated cargo)

Compressibility

Tensile strength

Shear resistance

Air Flow Resistance

Dynamic stiffness

Packaging

600x1200 mm

$\lambda D = 0,036$ W/m K according to EN 12667 and EN 12939

A1 in accordance with EN 13501-1

$C_p = 1,03$ kJ/kg Theoretical value according to EN 10456

$\mu = 1$ in accordance with EN 12086

$W_p < 1$ kg/m² in accordance with EN 1609

$W_{pl} < 3$ kg/m² in accordance with EN 12087

$\sigma_m = 30$ kPa according to EN 826

400 N according to EN 12430

$C_p = 2$ mm according to EN 13162 and EN 12431

(\perp) $\sigma_{mt} \geq 10$ kPa according to EN 1607

(\parallel) $\sigma_t \geq 20$ kPa according to EN 12090

60 kPa s/m² according to EN 29053

$s' = 20$ MN/m³ (thickness 50 mm) according to EN 29052-1

Packaged panels on pallets

CHARACTERISTICS

PACKAGING

Panels thickness [mm]	Thermal resistance [m ² k/W]	Pack Quantity [m ²]	Packs/pallet	pallet quality [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
100	2,75	2,16	16	34,56
120	3,30	1,44	20	28,80
140	3,85	1,44	18	25,92
160	4,40	1,44	14	20,16
180	5,00	1,44	14	20,16
200	5,55	1,44	12	17,28



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ACOUSTIC CERTIFICATIONS:

CERTIFICATES OF SOUND INSULATION ACCORDING TO UNI EN ISO 140-3 AND UNI EN ISO 717-1:

Production	Thickness of the panel (mm)	rw	Description of the structure	System	Certificate
FIBRANgeo B-570 FIBRANgeo BP-30	80 60	44 (44,8)	wooden beam structure- timber trim th. 20 mm – vapour brake- FIBRANgeo B-570 th. 80 mm laid between battens h. 80 mm- FIBRANgeo BP-030 th. 60 mm laid between battens h. 80 mm- air gap th. 20 mm- waterproof sheet	WR 44 1)	IG 313378
FIBRANgeo BP-30 FIBRANgeo BP-30	80 60	48 (48,5)	wooden beam structure- timber trim th. 20 mm- vapour brake-sheet FIBRANgyps A – FIBRANgeo BP-30- FIBRANgeo BP-030 th. 60 mm - wooden laths h. 80 mm- sheet FIBRANgyps NEXT BOARD- waterproofing membrane th. 2 mm- shingles	WR 48 1)	IG 313379

HEALTH AND SAFETY:

FIBRANgeo stone wool products comply with the parameters of Note Q of European Directive 97/69/EC and implemented by Ministerial Decree 01/09/1998. The fiber of FIBRANgeo products is biosoluble (certified by the FRAUNHOFER-ITEM institute no. 02G03002 dated 19/05/2003).

Certificate EUCEB n°156 dated 12/03/2009 –European Certification for Mineral Wool products.

CERTIFICATION EUCEB

All FIBRANgeo stone wool products are certified according to the EUCEB mark (European Certification Board for Mineral Wool Products). 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.

MALVIN

Le caratteristiche prestazionali riportate si riferiscono a prove di laboratorio, i valori possono subire scostamenti in funzione delle condizioni climatiche e modalità di messa in opera. L'utilizzatore deve verificare l'idoneità del prodotto all'impiego previsto.



MALVIN



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