

Description

The boards **FIBRANGEO B-570-YM** are a natural fibrous material produced by minerals like Basalt, Limestone, Dolomite, and Bauxite. FIBRANGEO boards have dimension stability, are chemical inert, their attributes are maintained constant in time and do not allow the growth of parasites. **FIBRANGEO B-570-YM** boards have a **facing of black glass tissue**.

Certification

Production according to standard:

- EN 13162
- EN 13172
- EN 13501-1

Notified Bodies:

- Forschungsinstitut für Wärmeschutz e.V. München (FIW)
- Identification Number: 0751

- Materialprüfanstalt für das Bauwesen Hannover (MPA BAU)
- Identification Number: 0764



Technical Characteristics

MW – EN 13162 – T4 – MU1 – WS – WL(P) – AW1 – AF49

Technical Characteristics	Units	EN / DIN	Value
Density	kg/m ³		75
Thermal Conductivity at 10 °C	W/(m*K)	EN 12667	0,033
Fire Classification	Class	EN 13501-1	A1
Usage Temperature	°C	DIN 4102	750
Short Term Water Absorption	kg/m ²	EN 1609	<1
Long Term Water Absorption	kg/m ²	EN 12087	<3
Airflow resistivity	kPa s/m ³	EN 29053	49

Explanation EN 13162 designation code

- MW – Mineral wool – Stonewool
- EN 13162 – The European Standard number
- T4 – Thickness Tolerances (T4: - 3mm + 5mm)
- CS(Y10) – Compressive strength at 10% deformation (kPa)
- TRi – Tensile strength perpendicular to faces (kPa)
- SD – Dynamic Stiffness (MN/m³)
- PL (5)i – Point Load (N)
- MU1 – Water Vapor Transmission
- WS – Short Term Water Absorption (< 1kg/m²)
- WL(P) – Long Term Water Absorption with partial immersion (< 3kg/m²)
- AWi - Weighted sound Absorption Coefficient
- AFi – Air flow resistivity (kPa s/m³)



TECHNICAL DATA SHEET**Packaging**

thickness [mm]	width [mm]	length [mm]	boards in package [pieces]	quantity in package [m ²]	Packages on pallet [pieces]	Quantity on pallet [m ²]
20	600	1200	20	14,4	12	172,8
30	600	1200	13	9,36	12	112,32
40	600	1200	10	7,20	12	86,40
50	600	1200	8	5,76	12	69,12
60	600	1200	7	5,04	12	60,48
70	600	1200	6	4,32	12	51,84
80	600	1200	5	3,60	12	43,20
100	600	1200	4	2,88	12	34,56
120	600	1200	4	2,88	10	28,8

Instructions for use**STORAGE AND HANDLING**

FIBRAN[®]geo products should be stored in interior spaces. If they are stored in the open air, they must be protected from impregnation. The protective foil should only be removed just before installation.

FIBRAN[®]geo boards are chemical inert, their attributes are maintained constant in time and do not allow the growth of parasites.

APPLICATION

During the installation of FIBRAN[®]geo products all design requirements should be taken into account.

FIBRAN[®]geo products should not be applied to constructions or installations, when the temperature is below 5°C or if there is a possibility of low temperature during the next 24 hours. In addition, it is essential to protect the FIBRAN[®]geo products from impregnation during the application.

If moisture or water penetrates into the body of the product, the product must dry before installation. Usually, 24 hours are enough, but in the winter longer time might be needed.

PROTECTION DURING APPLICATION

It is recommended to avoid unnecessary handling of scrap material and debris by placing such materials in suitable containers. Also, good ventilation should be ensured. High-speed cutting tools should always be provided with mechanical exhaust. Excessive eye and skin contact with dusts and fibers should be avoided while the appropriate protective equipment should be used.

The technical data and instructions included in this technical data sheet is the result of knowledge and experience from the company's R & D department as well as from the application of the product in practice. Recommendations and suggestions on the use of materials are made without guarantee, since the current conditions during the application are beyond the control of our company. The application, use and processing of products are beyond our control and therefore entirely your own responsibility. For this reason it is the user's responsibility to ensure that the material is suitable for the intended use and conditions of the project. The issue of this technical brochure invalidates any prior version for the same product.

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