

TECHNICAL DATA SHEET

Description

The boards **FIBRANgeo H-050** 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.



Applications

FIBRANgeo H-050 boards are a thermal insulation material appropriate for single glazed, ventilated solar thermal flat plate collectors with antireflex glass with stagnation temperatures up to 220°C

With the application of **FIBRANgeo H-050** there is an increase in the thermal conductivity inside a solar panel.

No visible condensate precipitation and little performance changes are to be expected.

Certification

FIBRANgeo H-050 boards are tested at the following laboratory

- Institut für Solartechnik SPF



Technical Characteristics

Technical Characteristics	Unit	EN / DIN	Value
Density	kg/m ³		50
Thermal Conductivity at 10 °C	W/(m*K)	EN 12667	0,035
Fire Classification	Κλάση	EN 13501-1	A1
Short Term Water Absorption	kg/m ²	EN 1609	<1
Long Term Water Absorption	kg/m ²	EN 12087	<3

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Packaging

FIBRANgeo boards are produced with dimensions according to the client requirements

Instructions for use

HANDLING AND STORAGE

FIBRANgeo B products should be stored indoors. If stored outdoors, they must be protected from impregnation. Pallets shrink-wrapped weather tightly in PE film may be stored outside. Separate packages should be placed on a flat pallet, not in direct contact with the ground. If part of the product gets wet, it must be dried before installation. Stonewool dries quickly and its insulating properties remain unchanged after drying. FIBRANgeo B products are chemically inert and do not allow the growth of micro-organisms, insects or rodents. Handling, loading and unloading of the products should be carried out with care, to avoid damage both of the packaging and the boards' edges.

APPLICATION AND PERSONAL PROTECTION

For the selection and application of FIBRANgeo B products all design requirements should be taken into consideration. FIBRANgeo B products should be protected from impregnation, prior to and during application. The packaging film should be removed with care just before installation. Working areas should be kept clean. Unnecessary or extensive contact of the skin and eyes with product off-cuts, fibres and dust should be avoided, and protective wear should be used (gloves, goggles, hats). Sufficient ventilation of the working areas should be ensured, whilst power cutting tools should always be provided with a mechanical system of dust intake. Stone wool products are not considered hazardous waste. Waste disposal should be carried out according to State and Local regulations.

FIBRAN reserves the right to alter or amend product specifications without notice. The information included in this publication is correct to the best of our knowledge at the time of printing. Whilst FIBRAN will endeavour to ensure publications are up to date, it is the users' responsibility to check with the company the validity of the information prior to materials use.

DATE.: 15/07/2011 VERS. 2

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