

Description

FIBRANGEO R-001-KO mattresses on wire net are a natural fibrous material produced by minerals like Basalt, Limestone, Dolomite, and Bauxite. FIBRANGEO mattresses have dimension stability, are chemical inert, their attributes are maintained constant in time and do not allow the growth of parasites.



Certification

Production according to standard:

- DIN 18165
- DIN 4102

Notified Bodies:

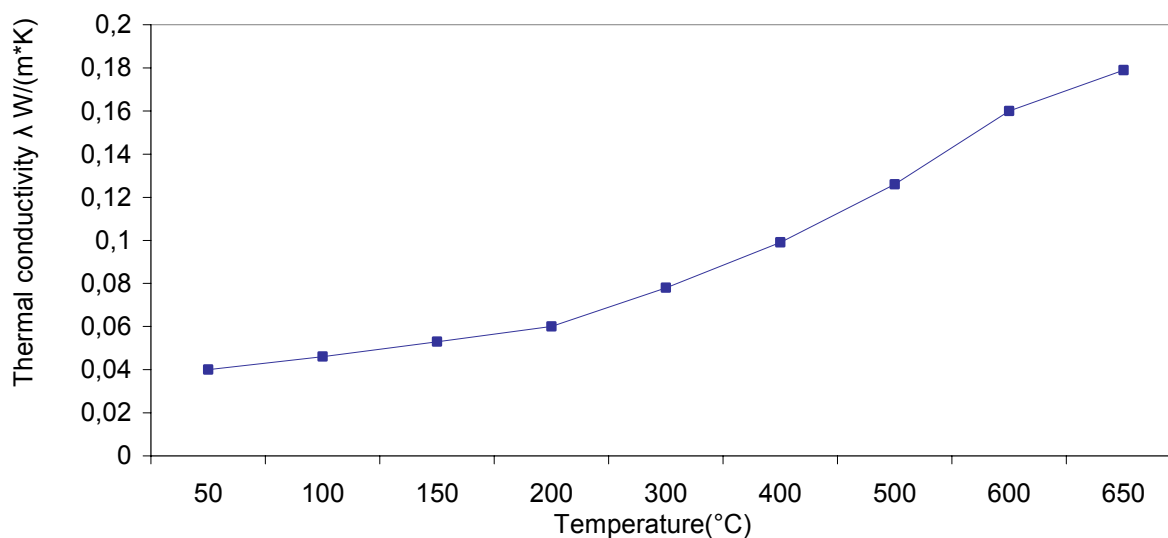
- Forschungsinstitut für Wärmeschutz e.V. München (FIW)
- Materialprüfanstalt für das Bauwesen Hannover (MPA BAU)
- Ceramics and Refractories Technological Development Company Chalkida (CERECO)
- Bayerisches Zentrum für Angewandte Energieforschung E.V. Bayern (ZAE Bayern)



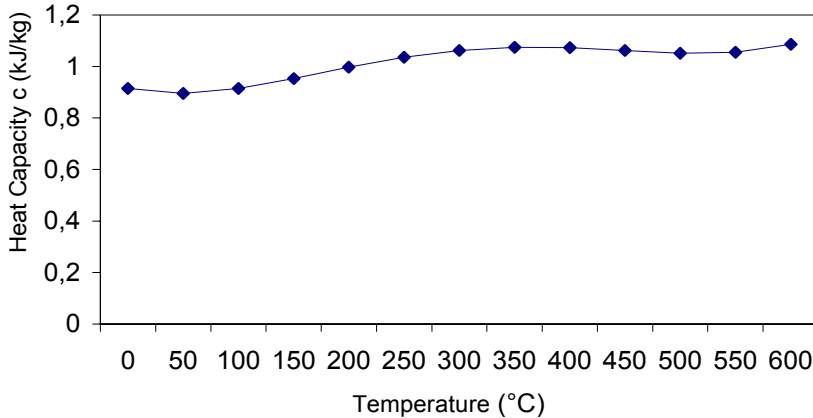
Technical Characteristics

Properties	Unit	DIN / EN	Value
Density (ρ)	kg/m ³		100
Diffusion resistance factor (μ)	-	DIN 52615	1
Melting point	°C	DIN 4102	>1000
Reaction to fire	Class	DIN 4102	A1
AGI Q 135	mg/kg	DIN EN ISO 10304-1	4.2

Thermal Conductivity



Heat Capacity (c)



Packaging

thickness [mm]	width [mm]	length [mm]	quantity in a roll [m ²]
30	1000	6000	6
40	1000	5000	5
50	1000	5000	5
60	1000	3000	3
80	1000	3000	3
100	1000	2500	2,5
120	1000	2500	2,5

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.