

FIBERFRAX® DURABOARD® MD

Refractory fiber products

Fiberfrax® duraboard® family of high temperature rigid boards is produced from a range of refractory ceramic fibres blended with organic and inorganic binder systems. Fiberfrax Duraboard products exhibit good chemical stability, resisting attack from most corrosive agents.

Fiberfrax Duraboard MD products are designed for use in applications which require high strength and rigidity coupled with high temperature stability and excellent insulating performance. This range of products which encompasses a wide spectrum of operating temperatures and thickness combinations is designed to meet the requirements demanded by today's industry.



General characteristics

Fiberfrax duraboard MD has these outstanding characteristics:

- High temperature stability
- Low thermal conductivity
- Easy to cut and machine
- Low warpage
- Excellent thickness control
- Good flexural and compressive strength

Typical applications

- High temperature furnace and kiln linings
- Rigid high temperature gaskets and seals
- Heat shields
- Gas Boiler combustion chamber linings

Typical product parameters†

Colour	:	White to tan	
Use limit	:	1200	°C
Product density	:	300	kg/m ³
Modulus of rupture (as received) Bboards up to 25mm	:	>700	kPa
Resistance to compression (load to 10 % deformation at 10 mm)	:	>150	kPa
Loss of ignition	:	<7.0	wt.%
Permanent Linear Shrinkage (%) 24 hours Soak 1100 °C	:	<4.0	%

† Product parameters relate to product characteristics limit

* The maximum continuous limit temperature for boards depends upon application conditions. For certain applications operational temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Insulcon Engineering office. Where appropriate Physical Properties data measured according to EN 1094-1.

FIBERFRAX® DURABOARD® MD

Chemical Analysis (Fibre wt.%)	
SiO ₂	50.0 – 58.0
Al ₂ O ₃	42.0 – 50.0
Alkalis	<0.25
Fe ₂ O ₃ + TiO ₂	<0.20

Thermal conductivity data (W/mK)

600°C Mean temperature	:	0.11
800°C Mean temperature	:	0.15
1000°C Mean temperature	:	0.21

Availability

Typical Applications Thickness (mm)	Sheets per carton	Sheets per pallet
<i>Sheet Dimensions (mm) 1250 x 1000</i>		
3	32	352
5	20	220
6	16	176
10	10	110
12	8	88
15	6	66
18	5	55
20	5	55
25	4	44
40	2	22
50	2	22

Other thicknesses/sizes may be available on request subject to minimum order requirements.