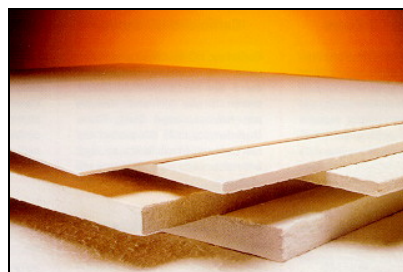


FIBERFRAX® DURABOARD® MD

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 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 products 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

- Rigid high temperature gaskets and seals
- Furnace linings
- Refractory backup
- Fire protection systems
- High temperature baffles and muffles
- Glass tank insulation
- Hot gas duct linings
- Distribution systems for molten metals
- Ground flares
- Heating Systems

Chemical Analysis (Fibre wt.%)	
SiO ₂	50.0 – 58.0
Al ₂ O ₃	42.0 – 50.0
ZrO ₂	
Alkalis	<0.25
Fe ₂ O ₃ + TiO ₂	<0.50
Loss on ignition	<7 %

Classification Temperature, particularly for boards, is not a definition of the operational limit of these products, especially when long terms physical or dimensional stability is a factor. For applications such as hot face furnace linings operational limits are generally significantly reduced. In such cases please contact your nearest CIT Engineering office for advice.

Form: A1-140
Effective: 17122001/ES/am
Supersedes: 14091999/EW/bc
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The information, recommendations and opinions set forth herein are offered solely for your consideration, inquiry and verification, and are not, in part or total, to be construed as constituting a warranty or representation for which we assume legal responsibility. Nothing contained herein is to be interpreted as authorization to practice a patented invention without a license.

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Member of the
INSULCON group

Typical physical properties

Colour	:	White to tan	
Classification temperature	:	1250	°C
Product density	:	300 ±50	kg/m ³
Modulus of rupture (as received)	:	>700	kPa
Resistance to compression (load to 10 % deformation at 10 mm)	:	>150	kPa

Thermal conductivity data (W/mK)

600°C Mean temperature	:	0.11
800°C Mean temperature	:	0.15
1000°C Mean temperature	:	0.21
1200°C Mean temperature	:	-

Availability

Thickness	Sheet dimensions	Quantity sheets per ctn	Loose sheets per pallet	Sheet dimensions	Quantity sheets per ctn	Loose sheets per pallet
3 mm	610 x 1000 mm	32	704	1250 x 1000 mm	32	352
5 mm	610 x 1000 mm	20	440	1250 x 1000 mm	20	220
6 mm	610 x 1000 mm	16	352	1250 x 1000 mm	16	176
10 mm	610 x 1000 mm	10	220	1250 x 1000 mm	10	110
12 mm	610 x 1000 mm	8	176	1250 x 1000 mm	8	88
15 mm	610 x 1000 mm	6	132	1250 x 1000 mm	6	66
18 mm	610 x 1000 mm	5	110	1250 x 1000 mm	5	55
20 mm	610 x 1000 mm	5	110	1250 x 1000 mm	5	55
25 mm	610 x 1000 mm	4	88	1250 x 1000 mm	4	44
40 mm	610 x 1000 mm	2	44	1250 x 1000 mm	2	22
50 mm	610 x 1000 mm	2	44	1250 x 1000 mm	2	22
75 mm	610 x 1000 mm	1	22	1250 x 1000 mm	1	11

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

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