FIBERFRAX DURABOARD 1600

Description

Fiberfrax Duraboard products are manufactured from Fiberfrax refractory ceramic fibres, blended with specially selected inorganic and organic binders to give rigid boards with exceptional characteristics.

Fiberfrax Duraboard 1600 is produced from a blend of Fiberfrax and high alumina polycrystalline fibres. This combination increases the continuous operating temperature capability, provides very low shrinkage at elevated temperatures, whilst maintaining excellent insulating properties. Fiberfrax Duraboard products are available in a wide range of sizes and thicknesses

General characteristics

Fiberfrax Duraboard 1600 has these outstanding characteristics:

- High temperature stability
- Low thermal conductivity
- Resistance to thermal shock
- Resistance to erosion
- Easy to cut with standard tools
- Low warpage

Typical applications

- High temperature furnace and kiln linings
- Rigid high temperature gaskets and seals
- Heat shields
- Gas boiler combustions chamber linings

Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval.

Chemical Analysis (Fibre wt.%)	
SiO_2	37.0 – 43.0
Al_2O_3	56.0 – 62.0
Alkalis	<0.25
$Fe_2O_3 + TiO_2$	<0.50

LEADER IN HIGH TEMPERATURE SOLUTIONS

TECHNICAL DATASHEET

Insulcon B.V.- The Netherlands - Tel: +31 (0)67 565 750
Insulcon GmbH - Germany - Tel: +49 (0)2131 408548-0
Keramab N.V. – Belgium - Tel: +32 (0)3 711 02 78

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www.insulcon.com / www.keramab.com

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Typical Product parameters

Typical physical properties

Colour	:	White / Tan	
Product density	:	200	kg/m³
Modulus of rupture	:	>400	Kpa
Use Limit (°C)*	:	1600	°C
Loss on ignition (wt.%)	:	<7,0	

Thermal conductivity data (W/mK)

1000°C Mean temperature	:	0.18
1200°C Mean temperature	:	0.24
1400°C Mean temperature	:	0.36

Permanent Linear Shrinkage (%) 24 hour soak

1600°C	:	<4.0

*Use limit refers to the maximum short-term temperature limit. The maximum continuous use limit for boards depends upon application conditions. For certain applications continuous use temperature limits may be significantly reduced. For assistance or clarification please contact us. Where appropriate Physical Properties data measured according to EN 1094-1.

Availability

Thickness	Sheet dimensions	Quantity sheets per carton	Loose sheets per pallet	Sheet dimensions	Quantity sheets per carton	Loose sheets per pallet
25 mm	1000 x 610 mm	4	88	1250 x 1000 mm	4	44
40 mm	1000 x 610 mm	2	44	1250 x 1000 mm	2	22
50 mm	1000 x 610 mm	2	44	1250 x 1000 mm	2	22

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

Handling information

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.

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