



DESCRIPTION

Fiberfrax Speciality Board products are manufactured from Fiberfrax refractory ceramic fibres, blended with specially selected inorganic and organic binders to give rigid boards with highly engineered characteristics. The Fiberfrax Speciality Board family comprises of Duraboard CT and Duraboard 1010. These boards complement the standard range of Fiberfrax insulating boards and are designed for use in technically demanding applications.

GENERAL CHARACTERISTICS

Fiberfrax Speciality Board products have the following outstanding characteristics:

- High temperature stability
- Low thermal conductivity
- Resistance to thermal shock
- High resistance to compression (Duraboard CT)
- Easy to cut with standard tools

TYPICAL APPLICATIONS

- Back-up to refractory linings (Duraboard CT)
- Machined components for non-ferrous industry (Duraboard 1010)

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.

*Start saving energy now.
Contact your local distributor.*

Unifrax Ltd.

T:+44 (0)1744 88 7600

F:+44 (0)1744 88 9916

www.unifrax.com

DURABOARD CT

Duraboard CT is a high density board with a high resistance to compression and is particularly suited to use as a back-up material for refractory linings. Due to its hydraulic binders Duraboard CT can be softened by wetting with water and formed into various profiles. A water repellent grade of Duraboard CT is available for use in conjunction with castable materials.

DURABOARD 1010

Duraboard 1010 is a pre-fired product which has been cleaned to remove a large portion of the unfiberised particles. Duraboard 1010 has been specifically developed for machining, in order to produce shaped components, particularly for use in the non-ferrous metals industry. A hardened version can be supplied on request.

TYPICAL PRODUCT PARAMETERS

Duraboard	CT	1010
Typical Chemical Analysis (fibre wt. %)		
SiO ₂	50.0 - 58.0	50.0 - 58.0
Al ₂ O ₃	42.0 - 50.0	42.0 - 50.0
Fe ₂ O ₃ + TiO ₂	<0.2	<0.2
Alkalis	<0.25	<0.25
Physical Properties		
Colour	Grey	White / Tan
Product Density (kg/m ³)	435	420
Modulus of Rupture (kPa)	>700	>500
Use Limit (°C) *	1200	1200
Loss on Ignition (wt.%)	<8.0	<0.5
Thermal Conductivity (W/mK)		
Mean Temp.		
600 °C	0.10	0.11
800 °C	0.15	0.13
1000 °C	0.21	0.18

*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 your nearest Unifrax Engineering office. Where appropriate Physical Properties data measured according to EN 1094-1.

AVAILABILITY

Thickness (mm)	Duraboard CT	Sheets per carton	Duraboard 1010	Sheets per pallet
Sheet Dimensions	1250 x 1000mm		1000 x 610mm	
3	✓	32		
5	✓	20		
10	✓	10		
12	✓	8		
20			✓	48

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.

Supplied by: