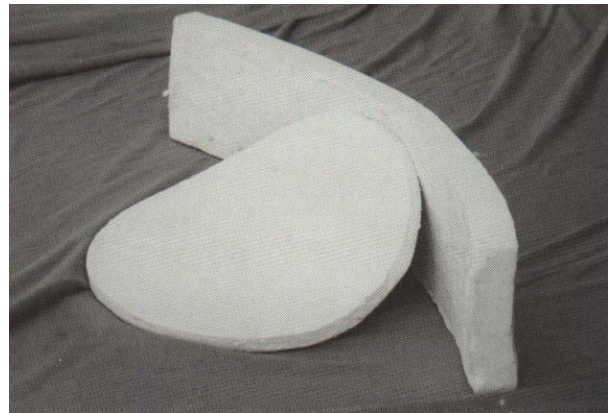


FIBERFRAX® DURAFLEX

Fiberfrax® Duraflex is lightweight, flexible board created from Fiberfrax Bulk ceramic fibers interlocked to form a strong, resilient insulation.

Fiberfrax® Duraflex contains a binder to improve its pre-fired strength, and give it the flexible characteristics suggested by the product name. Fiberfrax® Duraflex is ideal for use in applications where it is physically supported by other materials. This will ensure Fiberfrax® Duraflex will maintain its shape after binder burn out, which occurs at temperatures between 200°C and 300°C.



General Characteristics

Fiberfrax® Duraflex has the following outstanding properties:

- Easy to wrap, shape or cut.
- Low thermal conductivity.
- Low heat storage.
- Light weight.
- Thermal shock resistance.
- Good sound absorption.
- High temperature stability.

Typical Applications

- High temperature gaskets (when contained).
- Thermal and electrical insulation.
- Backup lining for launder runs.
- Expansion jointing.
- Back-up lining for refractory bricks.

Availability

Fiberfrax® Duraflex is available in sheets from 5mm to 25mm thick and can be made up to 1.0m in length.

Thermal Conductivity Data (W/m K)

Mean Temperature	W/mK
200°C	0.08
400°C	0.14
600°C	0.21
800°C	0.30
1000°C	0.39

Physical Properties

Colour	White
Continuous Use Limit	1260°C
Melting Point	1795°C
Binder Burn Out	200°C to 300°C
Fibre Diameter	2-3 microns
Specific Gravity	2.73g/cm ³
Specific Heat	1130J/kgK
Linear Shrinkage	2% (24hrs @930°C)
Compressibility	5% - 9.5 kN/m ²
	10% - 18.1 kN/m ²
	25% - 27.8 kN/m ²

Data are average results conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.