

Isofrax® 1260C is a revolutionary new fibre with a unique, patented silica-magnesia chemistry. Designed to be used in a wide variety of demanding, high temperature applications, Isofrax has very high solubility in simulated body fluids and meets the European and German regulatory requirements.

Isofrax® 1260C Prismo-Block™ and Isofrax® 1260C Bonded Modules are prefabricated blocks made from Isofrax® 1260C blanket. These modules are specially designed to meet or improve the thermal insulation requirements of industrial furnaces. Isofrax 1260C Prismo-Block modules are produced with various anchoring systems to enable quick, easy and efficient installation in most furnace linings. Isofrax 1260C Bonded modules consist of strips of Isofrax 1260C blanket edge-stacked and glued together.



GENERAL CHARACTERISTICS

Isofrax 1260C Modules have these outstanding characteristics:

- High temperature stability (up to 1260°C)
- Low thermal conductivity
- Low heat storage
- Faster temperature cycling
- Energy saving
- Lower installation cost
- Easy repairs

Typical Chemical Analysis (Fibre wt. %)

SiO ₂	70.0 – 80.0
MgO	18.0 – 27.0
Trace	< 4.0

TYPICAL PRODUCT PARAMETERS

Physical Properties

	Isofrax 1260C Bonded Module	Isofrax 1260C Prismo-Block
Colour	Bluish-white	Bluish-white
Melting Point	> 1500°C	> 1500°C
Recommended Operating Temperature Limit*	1260°C	1260°C
Density	170 kg/m ³	170 kg/m ³
Thickness	38 to 100 mm	100 to 300 mm

*dependent upon operating conditions

Thermal Conductivity Data (W/mK)

	150 kg/m ³	170 kg/m ³
Density		
400°C Mean Temp.	0.12	0.11
600°C Mean Temp.	0.18	0.17
800°C Mean Temp.	0.22	0.20
1000°C Mean Temp.	0.33	0.30
1200°C Mean Temp.	0.44	0.39

Where appropriate Physical Properties and Thermal Conductivity Data measured according to ENV 1094 - 7:1994

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

Information contained in this publication is for illustrative purposes only and is not intended to create any contractual obligation.

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Typical Applications

Metallurgy

- Forge furnace
- Reheat furnace
- Annealing furnace

Petrochemical

- Heater
- Distillation furnace
- Ethylene furnace

Power-Gen

- Exhaust duct
- Stack
- Diverter
- Boiler
- H.R.S.G.

Ceramic

- Earthenware kiln
- Tunnel kiln
- Tiles
- Bricks
- Biscuit

Availability

	Bonded Module	Prismo-Block
Length	300 mm	300, 450, 600 mm*
Width	300 mm**	300 mm**
Thickness	38, 50, 75, 100 mm	100, 150, 200, 250, 300 mm
Density	170 kg/m ³	170 kg/m ³

*300, 450mm lengths are packed with a polythene cover ; 600mm length is packed with cardboard plates and plastic binding

**when compressed

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

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Handling Information

A Material Safety Data Sheet is available for this product.



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