

## ISOFRAX 1260C BLANKET

Isofrax 1260C is a revolutionary new fiber 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 Blanket is manufactured by taking long, spun Isofrax fibers and cross-locking them through a unique forming process, producing a totally inorganic flexible product with good handling strength. Isofrax 1260C Blanket has excellent chemical stability and is unaffected by most chemicals except hydrofluoric acid, phosphoric acid and strong alkalis.



### GENERAL CHARACTERISTICS

Isofrax 1260C Blanket has these outstanding characteristics:

- High temperature stability (up to 1260°C)
- Low thermal conductivity
- Good handling strength
- Easy to cut
- Excellent corrosion resistance
- Low heat storage
- Good thermal shock resistance
- Good flexibility
- Low weight

### Typical Chemical Analysis (Fiber wt. %)

SiO <sub>2</sub>	70.0 - 80.0
MgO	18.0 - 27.0
Trace	< 4.0

### TYPICAL PRODUCT PARAMETERS

#### Physical Properties

Colour	Bluish-white
Melting Point	> 1500°C
Mean Fiber Diameter	4.0 - 4.5 microns
Average Tensile Strength (96kg/m <sup>3</sup> )	25 kPa
Average Tensile Strength (128kg/m <sup>3</sup> )	30 kPa

#### Compression Recovery

(unfired)	128kg/m <sup>3</sup>
10% compression	96% recovery
30% compression	89% recovery
50% compression	78% recovery

#### Thermal Conductivity Data (W/mK)

Density (kg/m <sup>3</sup> )	96	128	160
400°C Mean Temp.	0.102	0.095	0.087
600°C Mean Temp.	0.153	0.140	0.130
800°C Mean Temp.	0.220	0.195	0.180
1000°C Mean Temp.	0.305	0.270	0.250

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

High temperature kiln and furnace linings  
 Furnace door linings and seals  
 Weld stress relief  
 Back-up lining to refractory brick/castable  
 Cooling covers  
 Heat shields  
 Crucible furnace lids

## Availability

Standard Thickness (mm)	13	25	38	50
Standard roll lengths (m)	12.50	7.32	5.00	3.66
96 kg/m <sup>3</sup>				
128 kg/m <sup>3</sup>				
160 kg/m <sup>3</sup>				

Standard roll widths are 610mm and 1220mm.  
 Other thickness/density variations subject to order.  
 A version with aluminium foil applied to one side or both faces (Isofrax SF) is also subject to order.  
 Additional coatings/coverings applied to order.

### Supplied by:

### Contact Numbers

Website: [www.unifrax.com.au](http://www.unifrax.com.au)

PO Box 7  
 326 Settlement Rd  
 Thomastown VIC 3074  
 Ph: 03 9463 7100  
 Fax: 03 9464 5472  
 Email: [info@unifrax.com.au](mailto:info@unifrax.com.au)

### Handling Information

A Material Safety Datasheet is available for this product.



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