



DESCRIPTION

Insulfrax[®] Board products are manufactured from Insulfrax[®] Alkaline Earth Silicate (AES) or Low Bio Persistent (LBP) wool, blended with specially selected inorganic and organic binders to give rigid boards with exceptional characteristics.

These Boards are easy to cut and shape with standard tools and exhibit high strength and rigidity coupled with excellent insulating performance and high temperature stability. Insulfrax[®] Board products are available in a wide range of sizes and thicknesses.

GENERAL CHARACTERISTICS

Insulfrax[®] Board has the following outstanding characteristics :

- High temperature stability
- Low thermal conductivity
- Resistance to thermal shock
- Good handling strength
- Easy to cut with standard tools

TYPICAL APPLICATIONS

- Hot gas duct linings
- Rigid high temperature gaskets and seals
- Heat shields
- Shapes for domestic appliances
- Back-up insulation for castables & bricks.

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.

*greener
cleaner
safer*
specialty fibers for
a greener, cleaner, safer world

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UNIFRAX

TYPICAL PRODUCT PARAMETERS

Insulfrax[®] Boards	
Typical Chemical Analysis (fibre wt. %)	
CaO	27 - 33
MgO	2 - 7
SiO ₂	61 - 67
Al ₂ O ₃	< 1
Fe ₂ O ₃	< 0.6
Physical Properties	
Colour	White / Tan
Classification Temperature (°C)	1200
Use Limit (°C)	1100
Melting Point (°C)	> 1310
Density (kg/m ³)	320 - 384
Modulus of Rupture (kPa)	> 700
Loss on Ignition (wt.%)	< 7
Thermal Conductivity (W/mK)	
Mean Temp.	
400 °C	0.10
600 °C	0.12
800 °C	0.15
Permanent Linear Shrinkage (%) 24 Hour Soak	
1100 °C	< 4

AVAILABILITY

Thickness (mm)	Pieces per Carton
Size : 500 x 1000 & 600 x 900	
6	20
12	11
19	7
25	6
38	4
50	3
75	2

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

Water Repellant boards are available in Insulfrax[®] Grade.

Thermal Conductivity figures are empirical values (average) based on experience.

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.

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:

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