



DESCRIPTION

Insulfrax Mastics are insulation materials composed of Insulfrax alkaline earth silicate wool dispersed in high temperature binders, which upon drying produce a strong insulating structure with low thermal conductivity. These versatile products can be can be caulked, trowelled, pumped or moulded quickly and easily into place for use in filling, sealing, repair and general packing applications.

GENERAL CHARACTERISTICS

Insulfrax Mastics have the following outstanding characteristics:

- Low thermal conductivity
- Resistance to thermal shock
- Non-wetting (Aluminium)
- Low shrinkage
- Good adhesion
- Ease of installation

TYPICAL APPLICATIONS

- Caulking of refractory cracks & expansion joints
- Casing "hot spot" repairs (refractory or fibre lined equipment)
- Moulding of small components
- Trough linings/coatings for non-ferrous metals

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.*

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TYPICAL PRODUCT PARAMETERS

Insulfrax Mouldable	LSM
Physical Properties	
Colour	White
Product Form	Sticky putty
Use Limit (°C) *	1100
Wet Density (kg/m ³)	1200
Dry Density (kg/m ³)	600
Thermal Conductivity (W/mK)	
Mean Temp.	
600 °C	0.21
800 °C	0.25
1000 °C	0.31

*The maximum continuous limit temperature for these products depends upon application conditions. For certain applications operational 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.

INSTALLATION & DRYING PROCEDURES

Installation

Insulfrax Mouldable Mastics can be easily installed using a trowel, spatula or caulking gun.

Drying

Insulfrax Mastics can be dried at room temperature but this requires an extended period of time. Therefore forced air heating at 100°C is recommended. Firing or heat up of the equipment or furnace will allow for quicker removal of moisture from the material. During the first firing, some initial out-gassing can be expected at elevated temperatures. Ventilation is required to permit escape of steam.

AVAILABILITY

Insulfrax Mouldable	LSM	Application Method
5kg Pail	✓	Trowelling

Shelf Life & Storage

Insulfrax Mastics can be stored for up to 6 months, based on unopened container kept in cool dry storage conditions. Storage between 5 and 20°C is recommended. (Excessive heat will shorten the shelf life and freezing will result in irreversible damage to the product.)

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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