



DESCRIPTION

Fiberfrax[®] Cathode Cement is a dry mix of ceramic fibres and hydraulic setting binder to which water is added at site and mixed to give a cement like consistency.

Cathode Cement provides strong, rigid insulation medium of high density for use in heavy duty applications.

GENERAL CHARACTERISTICS

Fiberfrax[®] Cathode Cement has the following outstanding characteristics :

- High temperature resistance
- Low thermal Conductivity & Heat storage
- Resistance to thermal shock
- Resistance to corrosion
- Molten aluminium wetting resistance

TYPICAL APPLICATIONS

- Collector bar seals for aluminium reduction cells
- Lining of non-ferrous metal launder systems/casting ladles
- Lining of aluminium distributor troughs/pans
- Insulation for metal melting induction furnaces
- Repair of tin bath-Float glass production

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

Fiberfrax[®] Cathode Cement	
Physical Properties	
<i>Classification Temperature (°C)</i> <i>(Feedstock Fibre)</i>	1250
<i>Use Limit (°C)</i>	1100
<i>Dry Density (kg/m³)</i>	1200 - 1400
<i>Colour</i>	Grey
<i>Form</i>	Dry Mix
<i>Flexural Strength - Dry (kg/cm²)</i>	> 82
<i>Molten Aluminium Wetting Resistance</i>	Good
<i>Water Addition</i>	8 ltrs / 20 kgs
<i>Shelf life</i> <i>(If kept unopened in cool dry condition)</i>	6 months

Thermal Conductivity (W/mK)

Mean Temp.

600 °C	0.23
800 °C	0.30
1000 °C	0.38

M.O.R & Thermal Conductivity values are for guidance only.

AVAILABILITY

Fiberfrax[®] Cathode Cement is available as standard packaging in 20kg pails.

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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