



## DESCRIPTION

The entire family of Fiberfrax<sup>®</sup> Pumpable is a composite of spun fibres, organic polymers and inorganic binders. Fiberfrax<sup>®</sup> Pumpables are basically water based pliable putty like materials which are supplied premixed in pails.

Depending on grade the solid content of Fiberfrax<sup>®</sup> Pumpable varies from 31 to 48 percent. Dry densities range from 350 to 650 kg/m<sup>3</sup>. Fiberfrax<sup>®</sup> Pumpable can be caulked, pumped and troweled for filling, sealing, repair and general packing applications.

Fiberfrax<sup>®</sup> Pumpable AR & WR have been specially formulated to provide molten Aluminium Resistance and Water Resistant respectively.

## GENERAL CHARACTERISTICS

Fiberfrax<sup>®</sup> Pumpable has the following outstanding characteristics :

- Low thermal Conductivity & Heat storage
- Resistance to thermal shock
- Excellent corrosion resistance
- High temperature stability
- Non toxic
- Light weight

## TYPICAL APPLICATIONS

- On-line hot spot repair of back-up insulation
- Hot or cold patch repairs of refractory / CF lining
- Sealing of furnace penetrations (Tube hangers, Thermocouples, etc)
- Sealing of joints on kiln car decks
- CF Module lining maintenance
- Turbine exhaust duct hot spot repairs

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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## TYPICAL PRODUCT PARAMETERS

<b>Fiberfrax<sup>®</sup> Pumpable</b>		<b>S</b>	<b>AR</b>	<b>HT</b>	<b>WR</b>
<b>Physical Properties</b>					
Type		Standard	Molten Aluminium Resistant	High Temperature	Water Resistant
Classification Temperature (°C)		1260	1260	1400	1000
Density (kg/m <sup>3</sup> )	Wet	1025 - 1160	1150 - 1300	1200 - 1350	1200 - 1300
	Dry	350 - 430	460 - 530	450 - 550	580 - 650
Solids (%)		31	38	38	48
Shelf Life		6 Months	6 Months	6 Months	6 Months
<i>(If kept unopened in cool dry condition)</i>					
<b>Permanent Linear Shrinkage (%) 24 Hour Dry Fired</b>					
1000 °C		1.0 - 1.5	1.0 - 1.5	0.0 - 0.5	2.2 - 3.0
1100 °C		2.4 - 3.3	2.0 - 2.7	0.5 - 1.0	3.6 - 5.0
1200 °C		-	-	0.75 - 1.25	-
1300 °C		-	-	1.5 - 2.0	-
1350 °C		-	-	2.0 - 3.0	-

Classification temperature refers to the maximum short term temperature limit. The maximum continuous use limit 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.

## AVAILABILITY

<b>Packaging</b>	<b>S</b>	<b>AR</b>	<b>HT</b>	<b>WR</b>
20 Kgs / Pail	✓	✓		
25 Kgs / Pail			✓	✓

## 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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