

## FC INJECTITE

**FibreCast Injectite** is a high temperature moldable or pumpable fiber based product with a putty like consistency. Commonly applied to hot spot areas, hard to reach areas, or damaged refractory via pumping, troweling, hand packing or via caulking tube. FC Injectite adheres well to most surfaces, will dry with minimal temperature and is non wetting to non ferrous metals. It can be applied easily either in hot or ambient conditions. Various fiber grades are available to meet the process condition.



## TECHNICAL COMPARISON

	LBP (NON RCF)	2300	2600	3000
Colour	White	White	White	White
Fiber Type	Bio-Soluble Fiber	HP Refractory Ceramic Fiber	ZR Refractory Ceramic Fiber	Polycrystalline Fiber
Temperature Grade	2012°F (1100°C)	2300°F (1260°C)	2600°F (1427°C)	2912°F (1600°C)
Recommended Operating Temperature	2012°F (1100°C)	2150°F (1175°C)	2450°F (1343°C)	2912°F (1600°C)
Melting Point	2320°F (1270°C)	3200°F (1760°C)	3200°F (1760°C)	3400°F (1871°C)
Denisty To Place pcf (kg/m3)	70-80 (1121-1281)	70-80 (1121-1281)	70-80 (1121-1281)	60-70 (961-1121)
Density In Service pcf (kg/m3)	40-50 (640-800)	40-50 (640-800)	40-50 (640-800)	35-45 (560-720)
Linear Shrinkage 24h	@ 1832°F (1000°C) 1.2%	@ 2012°F (1100°C) 1.8%	@ 2372°F (1300°C) 2.0%	@ 2732°F (1500°C) 0.8%
<b>Chemical Composition</b>				
Al <sub>2</sub> O <sub>3</sub>	-	44-50%	33-37%	72.0%
SiO <sub>3</sub>	60-70%	50-56%	47-51%	27.7%
MgO	3-7%	-	-	-
ZrO <sub>2</sub>	-	-	13-19%	-
CaO	25-35%	-	-	-
Other	-	-	<1%	<1%

## TYPICAL APPLICIATIONS

- |   |                          |
|---|--------------------------|
| Difficult to Reach Areas Requiring Insulation | Online Hot Spot Repair   |
| Patch Refractory Joints and Cracks            | Door Jambs Sealing       |
| Hot Spot Repair In Stacks and Linings         | Burner Block Repair      |
| Ceramic Fiber Board or Shape Repair           | Custom Molded Shapes     |
| Furnace or Boiler Hot Spots                   | Molds for Glass Slumping |
| Non Ferrous Troughs and Runners               |                          |

Note: During the initial heat up of FC Boards and Shapes, a small amount of organic binder will start to burn out at approximately 450°F/232°C. Once this material has burned off, there will be no further off-gassing. Caution should be exercised during this period. Organic free products are available. The recommended operating temperature is determined by irreversible linear change, not the melting point. Store in a manner to minimize airborne dust. Data is based on results of tests conducted under standard conditions. Results are subject to variation. Results are presented as a guide only.

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