



TECHNICAL DATA SHEET

REFCAST LOCEM FS is a high hot strength, low iron castable refractory with extremely high resistance to thermal shock.

REFCAST LOCEM FS is used in molten aluminum distribution troughs, pans, header pots, tap-out blocks, and burner blocks. Heat treating and forging furnace jambs, sills and lintels. Wet ash hoppers. Carbon bake port blocks.

<b>SERVICE TEMPERATURE:</b>	2500°F
<b>MATERIAL REQUIRED FOR ESTIMATING:</b>	123 lbs./cu. ft.
<b>WATER REQUIRED:</b>	6.0 – 6.5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MgO	CaO	Alkalies	Other
22.4	71.8	0.3	0.4	0.1	3.0	0.2	1.8

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	Bulk Density pcf
250	1,836	6,215	-0.1	124
1500	1,636	6,744	-0.1	n/a
2000	1,142	5,573	-0.2	122

PACKAGING: 40 lb. Bags

165007 – 10/9/09

The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.