



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN FIRECAST 85

CLAYBURN FIRECAST 85 is a high alumina, one component, no cement castable refractory designed to be installed by pumping, casting or by the **Jet Cast** method. Quick installation, dry-out, high hot strength and thermal shock resistance are features of this product. **CLAYBURN FIRECAST 85** is recommended for use in reheat furnaces, ladles, and other applications where a rapid heat-up is desired and thermal shock conditions are present.

SERVICE TEMPERATURE:	3000°F
MATERIAL REQUIRED FOR ESTIMATING:	190 lbs./cu. ft.
WATER ADDITION:	4.5 – 5.0 %

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Other
86	9	0.7	2	0.1	0.1

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
250	1,300	4,500 - 5,500	Nil
1500	2,500	8,000 - 11,000	+0.2
2500	4,900	>16,000	-0.2

ABRASION LOSS (1500°F): 4 - 6 cc

175020 – 12/30/03

The data 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 specifications.