



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN FIRECAST 66 JC

CLAYBURN FIRECAST 66 JC is a high alumina, one component, no cement refractory designed to be installed by pumping, shotcreting or casting. Quick installation, dry-out, very high hot strength and thermal shock resistance are features of this product. **CLAYBURN FIRECAST 66 JC** 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:	160 lbs./cu. ft.
WATER ADDITION:	4.5 – 5.5 %

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Other
66	30	0.9	1.9	0.1	1.1

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
250	925	3,500 - 4,500	Nil
1500	1390	5,000 – 6,400	-0.1
2500	3000	>13,000	-0.3

HOT MOR AT 2500°F:	2900 psi
HOT MOR AT 2750°F:	1200 psi
ABRASION LOSS (1500°F):	4 - 6 cc

172220 – 11/30/03

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.