



CLAYBURN INDUSTRIES LTD.

33765 PINE STREET
ABBOTSFORD, BC
CANADA V2S 5C1
PHONE: (604) 859-5288
FAX: (604) 859-0424

TECHNICAL DATA

CLAYBURN NC-75

CLAYBURN NC-75 is a high alumina no cement refractory designed to be installed by casting only. Quick installation, dry-out, refractoriness, high thermal shock resistance, and iron oxide penetration resistance are its unique properties. CLAYBURN NC 75 is designed with coarse grains and special mineralogy making it ideal for delta sections. It may also be used in steel ladle barrels and precast shapes for tundish flow control devices.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 164 lbs./cu. ft.
***BINDER ADDITION (Approx. by Wt.):** 9%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂
72.5 – 75.5	20.5 – 24.8	1.0 – 1.5	1.5 – 2.25

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
250	880	2,825	Nil
1500	1135	3,875	Nil
2000	2165	5,700	-0.2
2500	2350	8,160	+0.1
3000	3875	13,650	-0.3

THERMAL SHOCK: After 2200°F MOR Loss(ASTM C-1171) 15.6%

***Product supplied as a two component mix**

184020 – 03/06/98