



CLAYBURN INDUSTRIES LTD.

33765 PINE STREET
ABBOTSFORD, BC
CANADA V2S 5C1
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TECHNICAL DATA

CLAYBURN NC-90

CLAYBURN NC-90 is a high alumina very pure no cement refractory having excellent thermal shock resistance, high refractoriness and strength at high temperatures. CLAYBURN NC-90 is ideal for applications in cupolas, high temperature shaft and rotary kilns.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 187 lbs./cu. ft.
***BINDER ADDITION:** 8.5 – 9.5% by weight

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂
87 - 88	12 - 13

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
250	750-1000	3,500-5,000	Nil
1500	1000-1250	4,000-5,500	-0.1
2000	1250-1500	6,000-7,500	-0.1
2500	1150-1400	6,000-7,500	Nil
3000	1150-1400	4,500-6,000	+0.1

HOT MOR @ 1500°F: 2300 – 2800 psi

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

185620 – 1/25/99