



CLAYBURN INDUSTRIES LTD.

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

CLAYBURN NC-50

CLAYBURN NC-50 is a high alumina no cement material with excellent resistance to thermal shock and abrasion. It is designed to be easily installed by casting. High density, low porosity, high hot strength and quick dry-out are its unique characteristics. CLAYBURN NC-50 is recommended for applications in reheat furnace subhearths, tundish back-up linings and covers.

SERVICE TEMPERATURE: 2850°F
MATERIAL REQUIRED FOR ESTIMATING: 150 lbs./cu. ft.
STORAGE LIFE: 1 year
***BINDER ADDITION REQUIRED:** 10½ - 11% by weight

TYPICAL CHEMICAL ANALYSIS
 (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂
50-52	46-47	1.0-1.2	1.0-1.2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
250	500 - 750	3,000 - 3,750	Nil
1500	700 - 950	3,400 - 4,150	-0.2
2000	1050 - 1200	3,750 - 4,500	-0.4
2500	1300 - 1500	4,500 - 5,250	Nil
2850	2850 - 3050	4,500 - 4,250	-0.3

Apparent Porosity @ 1500°F: 17.26%
2850°F: 12.20%

HOT MOR @ 1500°F: 1500-1650 psi

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

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