



CLAYBURN INDUSTRIES LTD.

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

CLAYBURN NoCem 50

NoCem 50 is a high alumina no cement material with excellent resistance to thermal shock and abrasion. It is designed to be easily installed by pumping. High density, low porosity, high hot strength and quick dry-out are its unique characteristics. NoCem 50 is recommended for aluminum furnace upperwalls, roofs, flues, jambs and similar areas where thermal shock resistance and high hot strength are required.

SERVICE TEMPERATURE: 2825°F
MATERIAL REQUIRED FOR ESTIMATING: 144 lbs./cu. ft.
STORAGE LIFE: > 1 year
BINDER ADDITION: 11%

TYPICAL CHEMICAL ANALYSIS
 (Calcined Basis)

<u>Al₂O₃</u>	<u>SiO₂</u>	<u>Fe₂O₃</u>	<u>TiO₂</u>
50 - 52	46 - 47	1.0 - 1.2	1.0 - 1.2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Bulk Density lbs./ft ³	Porosity %	CMOR psi	CCS psi	% Linear Change
230	144-145	17-18	725-870	3200-3350	0.0
1500	144-145	17-18	1000-1150	5800-6100	0.0
2550	144-145	16-17	1750-1900	8000-8250	.4 - .5
2730	145-147	13-14	2175-2300	8400-8700	-(.3 -.4)

HOT MOR: @ 2500°F 1600-1750 psi
 @ 2730°F 870-1000 psi

4/20/98