



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN FIRECAST 50

CLAYBURN FIRECAST 50 is a high alumina, one component, no cement castable refractory designed to be installed by pumping, casting or by the **Jet Cast** method. Quick installation and dry-out, good abrasion and thermal shock resistance are features of this product. **CLAYBURN FIRECAST 50** is recommended for use in reheat furnaces, ladles, car tops, aluminum furnace roofs and upper walls and other applications where a rapid heat-up is desired and thermal shock conditions are present.

SERVICE TEMPERATURE:	3000°F
MATERIAL REQUIRED FOR ESTIMATING:	147 lbs./cu. ft.
WATER ADDITION:	5 - 6 %

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Other
50	48	0.8	1.4	0.1	1.1

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
250	700	4,000	Nil
1500	900	5,900	-0.1
2500	2,500	>10,000	-0.3

ABRASION LOSS AFTER 1500°F: 3 - 5 cc loss

171220 – 12/11/03

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.