



CLAYBURN INDUSTRIES LTD.

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

TECHNICAL DATA

CLAYBURN CAST 85 LC

CLAYBURN CAST 85 LC is a low cement, volume stable, high alumina castable designed to have high strength and thermal shock resistance. It is highly abrasion resistant. Its high density and low porosity gives excellent resistance to metal and slag attack.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 170 lbs./cu. ft.
CASTING WATER (Approx. by Wt.) : 4.5 - 5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
85.2	7.6	1.0	3.0	0.1	2.0	0.3	0.8

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2100	9,000	Nil
1500	2400	10,300	-0.2
2000	2100	8,700	-0.1
2500	1700	9,550	-0.6
3000	5360	14,750	-0.7

ABRASION LOSS: 3.4 cc After 1500°F

APP. POROSITY: 14.2% After 1500°F

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