



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN CAST 45 LC

CLAYBURN CAST 45 LC is a low moisture, low cement castable that can be installed by casting, pumping or shotcreting. This product has superior strength and abrasion resistance as compared to conventional castables of the same classification.

SERVICE TEMPERATURE:	3000°F
MATERIAL REQUIRED FOR ESTIMATING:	140 lbs./cu. ft.
CASTING WATER (Approx. by Wt.):	6 – 7%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
48.1	47.5	0.9	1.3	0.1	1.4	0.2	0.4

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1360	9,300	Nil
1500	2100	11,000	-0.1
2000	3027	15,211	-0.3
2500	2650	11,800	+0.5

ABRASION LOSS: 7-8 cc After 1500°F

140920 – 12/1/05

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.