



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN CAST 80 SIC LC

CLAYBURN CAST 80 SIC LC is a fine grained very pure low cement castable containing a high percentage of silicon carbide. Can be cast or pumped. Abrasion resistance, very high strengths and thermal shock resistance are attributes that allow CLAYBURN CAST 80 SIC LC to withstand harsh service conditions.

Recommended Maximum Service Temperature: 3000° F
Dry Material Required per Cu. Ft 160 lbs./cu. ft.
Casting Water: 5.5% - 6.5%

Typical Chemical Analysis
(Reducing Conditions)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	SiC	Alk.	Other
13.7	7.3	0.2	Nil	2.0	76	0.1	1.1

Typical Physical Properties

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2900-3200	7,930-9,200	Nil
1500	4030-4470	9,700-15,300	-0.2

ABRASION LOSS: <4 cc After 1500°F

166620 – 1/10/06

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.