



CLAYBURN INDUSTRIES LTD.

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

TECHNICAL DATA

CLAYBURN CAST 80 UL

CLAYBURN CAST 80 UL is a high alumina ultra low cement castable. It demonstrates high hot strengths and density to resist abrasion and erosion at elevated temperatures. Low porosity reduces penetration and reaction by molten metal and slags.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 177 lbs./cu. ft.
CASTING WATER: approx. 5%

TYPICAL CHEMICAL ANALYSIS
(Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
82.6	12.9	1.0	2.0	0.1	0.8	0.3	0.3

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1750	7,400	Nil
1500	3350	>15,000	-0.1
2000	3400	-	-0.3
2500	3150	-	-0.1
3000	2300	-	-0.3

HOT MODULUS OF RUPTURE @ 1500°F -- 3365 psi
@ 2500°F -- 1300-1700 psi

ABRASION LOSS after 1500°F -- 7-8 cc
2500°F -- 2-3 cc

158620 - 3/19/02

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.