



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN ASAP CAST 50 LC

CLAYBURN ASAP CAST 50 LC is a low moisture, low cement, super duty castable that can be dried out faster than traditional heat-up schedules. This product has superior strength and abrasion resistance as compared to conventional castables of the same classification. Applications include areas in cement, lime and rock products.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 140 lbs./cu. ft.
CASTING WATER: 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	1250	8,200	Nil
1500	1900	10,300	-0.1
2000	2327	13,100	-0.3
2500	2450	12,700	+0.5

ABRASION LOSS: 7-8 cc After 1500°F

141520 – 11/10/05

The data presented 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 specification purposes.