



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN CA 24 LW

CLAYBURN CA 24 LW is a hydraulic setting insulating castable with a service limit of 2400 °F. It exhibits low thermal conductivity and good strength. CLAYBURN CA 24 LW can be cast or gunned with little change in density or thermal conductivity.

SERVICE TEMPERATURE:	2400°F
MATERIAL REQUIRED FOR ESTIMATING:	64 lbs./cu. ft.
CASTING WATER:	36 – 44%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	MgO	CaO	Alkalies
45.7	37.6	1.1	<0.5	11.8	<1.5

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Cold Crushing Strength, psi	Linear Change %	“K” Factor Btu/ft ² /hr/in/°F
250	500-700	Nil	500°F – 1.9
1500	300-500	-0.3	1000°F – 2.1
2000	250-400	-1.3	1500°F – 2.4
2400	900-1050	+1.1	2000°F – 3.0

Apparent Porosity after 2400°F: 53.5%

134820 – 04/19/03

ALL DATA ARE TYPICAL