



CLAYBURN INDUSTRIES LTD.

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

TECHNICAL DATA

CLAYBURN LIQUIBOND 86

CLAYBURN LIQUIBOND 86 is a high alumina very pure, chemically bonded refractory having excellent thermal shock resistance, high refractoriness and strength at high temperatures. CLAYBURN LIQUIBOND 86 is ideal for aluminum furnace applications such as belly bands, sills and troughs and for any application where an abrasion and chemically resistant castable or patch is needed.

SERVICE TEMPERATURE:	3200°F
MATERIAL REQUIRED FOR ESTIMATING:	182 lbs./cu. ft.
BINDER ADDITION:	10.5–12% by weight

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	P ₂ O ₅	Fe ₂ O ₃
85.5	2 - 3	2.8 - 3.2	0.7 - 0.9

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
1500	1000-1400	6,300-6,700	-0.3
2000	3100-3400	>10,400	-0.3

Abrasion Loss after 1500⁰F: 8-9 cc

186120 - 9/15/05

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.