



**CLAYBURN INDUSTRIES LTD.**

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## TECHNICAL DATA

### **CLAYBURN LIQUIBOND 65**

CLAYBURN LIQUIBOND 65 is an alumina and mullite based, chemically bonded refractory having excellent thermal shock resistance, high refractoriness and strength at high temperatures. CLAYBURN LIQUIBOND 65 is ideal for aluminum furnace applications such as belly bands, sills and troughs. It also may be used for burner blocks and other special shapes. CLAYBURN LIQUIBOND 65 may be used anywhere fast, reliable set times, and good strengths are needed.

<b>SERVICE TEMPERATURE:</b>	3000°F
<b>MATERIAL REQUIRED FOR ESTIMATING:</b>	168 lbs./cu. ft.
<b>BINDER ADDITION:</b>	11.5–12.5% by weight

### TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	Fe <sub>2</sub> O <sub>3</sub>
63	28	3.3	<1

### TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
1500	900-1050	3,200-3,600	-0.2
2400	3100-3400	8,700-10,000	-0.4

ABRASION LOSS AFTER 1500°F: <16 cc

8/22/05

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.