



RENO REFRACTORIES, INC

LIQUIBOND 50

TECHNICAL DATA SHEET

LIQUIBOND 50 is an alumina and mullite based, chemically bonded refractory having excellent thermal shock resistance, high refractoriness and strength at high temperatures.

LIQUIBOND 50 is recommended for aluminum furnace applications such as sills and troughs. It also may be used for burner blocks and other special shapes. This material may be used anywhere fast, reliable set times, and good strengths are needed.

SERVICE TEMPERATURE:	3000°F
MATERIAL REQUIRED FOR ESTIMATING:	153 lbs/cf
STORAGE LIFE:	1 year
BINDER ADDITION:	13 - 14% by weight

TYPICAL CHEMICAL ANALYSIS (includes binder) (Calcined Basis)

Al ₂ O ₃	SiO ₂	P ₂ O ₅	Fe ₂ O ₃
55	34	3.3	<1.5

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Porosity %	Linear Change %
1500	675	5,051	15.6	-0.2
2500	2,351	9,815	17.0	-0.4

THERMAL CYCLE (ASTM C-1171) 2000°F: 12% Gain

ABRASION LOSS After 2000°F: <11 cc

ABRASION LOSS After 2500°F: <9 cc

PACKAGING: 55 lb. Bags, 72 per Pallet (3960 lbs.)

25-047 A

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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.

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