



RENO REFRACTORIES, INC

REFCAST LOCEM 3160 AL-P

TECHNICAL DATA SHEET

REFCAST LOCEM 31/60 ALP is a high alumina, low iron, low cement castable featuring high strength and abrasion resistance. Applications include aluminum furnaces, ladles, and troughs. This product can be vibratory cast, pumped or shotcreted.

SERVICE TEMPERATURE:	3100°F
MATERIAL REQUIRED FOR ESTIMATING:	156 lbs./cu. ft.
PUMPING WATER:	5.5 – 6.5%.
SHOTCRETE ACCELERATOR:	1.5% Sodium Silicate

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
60.9	34.4	0.79	1.3	0.1	1.5	0.2	0.2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Bulk Density Pcf	Linear Change %
250	2,405	11,371	159	Nil
1500	3,038	12,854	156	-0.1
2000	3,562	14,294	155	-0.2
2500	3,239	14,560	153	+0.5

APP. POROSITY: 13-15% After 1500°F

PACKAGING: 50 lb. Bags, 80 per Pallet (4,000 lbs.)

144907 – 6/8/00

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.