



RENO REFRACTORIES, INC

REFCAST LOCEM 3170 AL-P

TECHNICAL DATA SHEET

REFCAST LOCEM 31/70 AL-P is a high alumina, low iron, low cement castable featuring high strength and abrasion resistance. Excellent non-wetting properties when exposed to molten aluminum. Applications include aluminum furnace hearths, lower walls and ramps; troughs and filter boxes. Can be cast, pumped or shotcreted.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 160 lbs./cu. ft.
PUMPING WATER: 5-6.5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
67	25.8	.79	1.3	0.1	1.8	0.2	3

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Bulk Density pcf	Linear Change %
250	2,280	161	Nil
1500	2,512	160	-0.1
2500	3,160	159	-0.2

ABRASION LOSS: <5 cc After 1500°F
APP. POROSITY: 13-15% After 1500°F
HOT MODULUS OF RUPTURE: 4,860 psi at 1500°F

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

152800 – 7/8/16

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.