



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.

<b>SERVICE TEMPERATURE:</b>	3100°F
<b>MATERIAL REQUIRED FOR ESTIMATING:</b>	160 lbs./cu. ft.
<b>PUMPING WATER:</b>	5-6.5%
<b>SHOTCRETE ACCELERATOR:</b>	1.5% Sodium Silicate

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	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

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