



RENO REFRACTORIES, INC

PL SUPER AS

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TECHNICAL DATA SHEET

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**PL SUPER AS** is a super duty, air setting, volume stable, plastic refractory. It has excellent resistance to thermal spalling and mechanical shock.

**PL SUPER AS**, when dry, this material develops strength throughout the entire thickness, regardless of the operating temperature.

**SERVICE TEMPERATURE:** 3000°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 150 lbs./cu. ft.  
**WORKABILITY INDEX:** 30-40@ 3 TAPS

**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
47.4	49.2	1.1	1.7	0.2	0.1	0.3

**TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	220	500	-0.9
1500	380	1,460	-1.0
2000	610	1,820	-1.2
2500	680	1,340	-0.2
3000	1,970	6,830	+0.2

**PACKAGING:** 55 lb. Boxes, 60 per Pallet (3300 lbs.)

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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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