



RENO REFRACTORIES, INC

PL 349 CRM 7

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TECHNICAL DATA SHEET

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**PL 349 CRM 7** is a high alumina-chromic oxide, phosphate bonded plastic. It has exceptional resistance to metal penetration and the corrosive effect of slags. This good workability plastic, with its high density and low permeability, resists structural spalling.

**SERVICE TEMPERATURE:** 3400°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 200 lbs./cu. ft.

**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	Alkalies	CaO	P <sub>2</sub> O <sub>5</sub>	Cr <sub>2</sub> O <sub>3</sub>
85.3	3.7	0.2	Nil	0.1	0.4	Nil	3.3	7.0

**TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Apparent Porosity, %	Linear Change, %	Abrasion Loss, cc
250	900	1,555	N/A	Nil	
750	2,088	5,225	18.7	-0.2	
1500	2,290	5,921	18.5	-0.1	5.7
2500	2,754	8,846	18.3	-0.1	3.8
3000	2,267	9,258	17.8	-0.3	2.9

**PACKAGING:** 55 lb. Boxes, 60 per Pallet (3300 lbs.)  
50 lb. Bags, 80 per Pallet 4000 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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