



RENO REFRACTORIES, INC

ROCK 55 PLASTIC

TECHNICAL DATA SHEET

**ROCK 55** is a new generation resin bonded, high alumina, silicon carbide plastic. It was specifically designed to withstand the corrosive and erosion conditions for the modern day, high production cupola and can be used as the lining for cupola breast, taphole, trough and wells.

**SERVICE TEMPERATURE:** 3000°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 185 lbs./cu. ft.

**TYPICAL CHEMICAL ANALYSIS** (Reducing Conditions)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	SiC + C	Alkalies	Other
70 – 75	5.0	0.8	2.1	0.05	10 – 15	0.05	7.0

**TYPICAL PHYSICAL PROPERTIES** (Reducing conditions above 250°F)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
500	4,000	6,200	-0.3
1500	1,270	1,895	-0.3
2000	1,295	1,950	-0.2
2500	1,700	2,538	-0.3
2800	1,880	2,684	-0.2

**PACKAGING:** 55 lb. Boxes, 60 per Pallet (3300 lbs.)  
50 lb. Bags, 60 per Pallet (3000 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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