



RENO REFRACTORIES, INC

RENO GUN 45-10

TECHNICAL DATA SHEET

**RENO GUN 45-10** is an extremely strong 3000°F gunning mix containing 10% silicon carbide giving increased resistance to chemical attack and abrasion.

**RENO GUN 45-10** is ideal to use where alkali are present and abrasion occurs. In Minerals Processing, this product can be used in middle and upper stage Cyclones, as well as gas ducts, and cooler sidewalls.

**SERVICE TEMPERATURE:** 3000°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 140 lbs./cu. ft.  
**WATER REQUIRED:** Add at Nozzle

**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	SiC
45	39	0.8	1.5	0.1	3	0.1	10

**TYPICAL PHYSICAL PROPERTIES (Gunned)**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,300	6,100	Nil
1500	1,625	7,873	-0.2
2000	1,620	7,700	-0.4
2500	2,100	8,380	-0.7

**ABRASION LOSS AFTER 1500°F:** <17 cc  
**ABRASION LOSS AFTER 2500°F:** <13 cc

**PACKAGING:** 55 lb. Bags, 72 per Pallet (3920 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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