



RENO REFRACTORIES, INC

RENO NC GUN 85 SICP

TECHNICAL DATA SHEET

**RENO NC GUN 85 SICP** is a very pure no cement gunning refractory containing a high percentage of silicon carbide. It was developed specifically for the incinerator and power plant applications. Thin linings can be gunned over studded tubes and walls.

**RENO NC GUN 85 SICP** was developed to be gunned into place using a refractory dry gun.

**SERVICE TEMPERATURE:** 3000°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 150 lbs./cu. ft.  
**BINDER ADDITION REQUIRED AT NOZZLE:** Adjust at Nozzle

**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	Other
10	7 – 8	0.1	Nil	Nil	81 – 82	0.4

**TYPICAL PHYSICAL PROPERTIES** (\*Fired in a reducing atmosphere)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
1000	1,083	5,750	Nil
1500	1,235	6,500	-0.1
2400	1,400	5,053	0.0

**Thermal Cycle @ 2000°F:** 25% strength increase  
**Abrasion Loss @ 2500°F:** 8 cc  
**Apparent Absorption 2400°F:** 7.6%  
**Porosity, 2400°F:** 19%

**PACKAGING:** 55 lb. Bags, 72 per Pallet (3960 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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