



RENO REFRACTORIES, INC

RENO NC GUN 70

TECHNICAL DATA SHEET

**RENO NC GUN 70** is a high alumina no cement refractory designed to be installed by guniting. This material has good green strength, quick dry-out, high hot strength, thermal shock resistance and iron oxide penetration resistance.

**RENO NC GUN 70** is recommended for applications in reheat furnace walls, iron and steel ladles, tundish linings and cement kiln coolers and burner pipes.

**SERVICE TEMPERATURE:** 3000°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 150 lbs/cf  
**BINDER ADDITION (at nozzle):** Adjust at Nozzle

**TYPICAL CHEMICAL ANALYSIS (includes binder) (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>	Other
65 – 67	30 - 32	< 0.9	< 1.5	< 1

**TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	Porosity %
1,000	---	3,750 – 5,850	Nil	---
1,500	1,300 – 1,520	6,025 – 7,480	Nil	20.0
2,500	1,900 – 2,860	9,500 – 10,100	+0.1	18.3

**HOT MOR (ASTM C583) @ 2500°F :** 1,237 psi (Orton)

**ABRASION LOSS @ 1500°F:** 11.3 cc  
**ABRASION LOSS @ 2500°F:** 10.6 cc

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

183200 11/18/09

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.

Reno Refractories, PO Box 201, Morris, Alabama 35116  
205.647.0240 | Toll Free 1.800.741.7366