



RENO REFRACTORIES, INC

RENO NC GUN 52 AR

TECHNICAL DATA SHEET

RENO NC Gun 52 AR is a high alumina no cement castable that contains silicon carbide and zircon.

- High Strength
- Low Porosity
- Excellent Alkali Resistance
- Excellent Thermal Shock
- Low Abrasion Loss

RENO NC Gun 52 AR is recommended for maintaining ducts, bullnoses, risers, and hoods in Cement, Lime and Minerals Processing plants.

**SERVICE TEMPERATURE:** 2600°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 150 lbs./cu. ft.  
**STORAGE LIFE:** 1 year  
**BINDER ADDITION:** Added at Nozzle ~15%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	ZrO <sub>2</sub>	SiC	Fe <sub>2</sub> O <sub>3</sub>
50-52	30-32	5-6	7-8	0.7

TYPICAL PHYSICAL PROPERTIES (Gunned)

Pre-fired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	Abrasion Loss, cc	Porosity %
750	1,800 – 2,350	6,000 – 6,500	Nil	--	20.4
1500	1,900 – 2,400	6,600 – 7,600	+0.1	8	22.4
2000	2,060 – 2,500	9,700 – 10,900	-0.4	8	19.1
2500	2,400 – 2,800	10,000-11,000	+1.8	7	20.8

Thermal Shock Loss: 11.5%

**PACKAGING:** 55 lb. Bags, 72 per Pallet (3,960 lbs.)  
1500 lb. bulk bags, 2 per pallet (3,000 lbs.)  
2000 lb. bulk bags, 2 per pallet (4,000 lbs.)

21-106 A

9/6/2021

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, Inc. PO Box 201, Morris, Alabama 35116  
205.647.0240 | Toll Free 1.800.741.7366