



RENO REFRACTORIES, INC

RENO NC GUN 60 AZS

TECHNICAL DATA SHEET

RENO NC GUN 60 AZS is a high alumina, no-cement, abrasion and alkali resistant refractory designed to be installed by gunning.

FEATURES:

- Excellent thermal shock resistance-comparable to fused silica
- Alkali resistance
- High hot strengths
- Applications include cement pre-heaters, hoods and ducts, as well as industrial incinerators and boilers

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 ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	AZS
59	32	1.0	<1	9-10

TYPICAL PHYSICAL PROPERTIES (Gunned)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	Abrasion Loss, cc	Thermal Conductivity	Porosity %
350	666-950	4,000-5,200	-0.1	-	6.4	20.2
1500	600-1,100	5,075-7,600	0.2	11.7	6.0	-
2500	720-1,000	5,400-10,800	-0.2	8.2	-	15.6
2700	1,400-2,100	6,100-9,800	0.7	-	-	16.4
3000	1,090-2,400	10,500-15,300	0.9	-	-	15.3

Coefficient of Thermal Expansion: 3.43 x 10⁻⁶ in/in/°F

THERMAL SHOCK LOSS, 2000°F: 16%

HOT MOR (ASTM C583) @2500F: 794 psi

HOT MOR (ASTM C583) @2700F: 457 psi

PACKAGING: 55 lb. Bags, 72 per Pallet (3,960 lbs.)
1,000 lb. Bags, 3 per Pallet (3,000 lbs.)

182700 – 7/11/16

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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