



RENO REFRACTORIES, INC

RENO NC GUN 18Z

TECHNICAL DATA SHEET

RENO NC GUN 18Z is an AZS aggregate based, thermal shock resistant, no cement gunning mix that can be dried out faster than standard refractory castables. This material can be easily installed by gunning.

RENO NC GUN 18Z has excellent resistance to abrasion and alkali attack. This material can be used in applications for the cement, lime, refining and glass industries. Excellent for resurfacing old refractory or new installations.

SERVICE TEMPERATURE: 2800°F
MATERIAL REQUIRED FOR ESTIMATING: 160 lbs/cf
BINDER ADDITION: Adjust at Nozzle

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	ZrO ₂	CaO	SiC	Other
49	27	0.7	0.9	18	0.2	2.5	1.7

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
650	1,870	6,300	Nil
1,500	1,485	6,270	-0.1
2,000	2,190	9,274	-0.5
2,500	2,924	10,728	+0.3
2,800	3,690	13,800	+0.5

ABRASION LOSS After 1500°F: <12 cc
ABRASION LOSS After 2500°F: < 7 cc
HOT MOR (ASTM C583) @2500°F: 899 psi (Orton)

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

189300 7/16/13

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