



TECHNICAL DATA SHEET

RENO NC GUN 33Z is an AZS aggregate based, thermal shock resistant, no cement gunning mix that can be dried out faster than standard refractory castables.

RENO NC GUN 33Z has excellent resistance to abrasion and alkali attack. Can be used for applications in the cement, lime, refining and glass industries. Excellent for resurfacing old refractory as well as new installations.

SERVICE TEMPERATURE:	2800°F
MATERIAL REQUIRED FOR ESTIMATING:	190 lbs/cf
BINDER ADDITION AT NOZZLE:	Adjust at Nozzle

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	ZrO ₂	CaO	SiC
36 – 38	23 – 25	0.4	Tr	31 – 33	0.1	4.9

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
1,000	1,147	7,040	Nil
1,500	1,285	7,790	0.0
2,400	3,120	>13,600	-0.04

HOT MOR @1500°F (Orton): 3,103 psi
HOT MOR @2500°F (Orton): 395 psi

ABRASION LOSS AFTER 1,000°F: 12cc
ABRASION LOSS AFTER 1,500°F: 11cc
ABRASION LOSS AFTER 2,400°F: 4cc

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.