



TECHNICAL DATA SHEET

RENO NC 88 Z is a high alumina, two component, no-cement refractory with excellent resistance to iron oxide reaction and penetration, thermal shock and abrasion. High density, low porosity, volume stability, high hot strength and quick dry-out are its unique characteristics.

RENO NC 88 Z is used on Minerals Processing burner pipe tips.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 185 lbs/cf
BINDER ADDITION: 9 – 10.5% by weight
STORAGE LIFE: 1 year

TYPICAL CHEMICAL ANALYSIS (includes binder) (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	Zircon
87.1	5.0	>1.0	2.5	5.0

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,200 – 1,450	4,000 – 5,000	Nil
1,500	1,400 – 1,650	7,800 – 9,000	-0.1
2,000	3,850 – 4,100	9,500 – 10,500	-0.3
2,500	4,100 – 4,200	10,500 – 11,500	-0.3

ABRASION LOSS After 2000°F: <4 cc

ABRASION LOSS After 2500°F: <5 cc

HOT MOR @1500°F: 2,562 psi

HOT MOR @2500°F: 2,037 psi

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.