RENO REFRACTORIES, INC

RENO NC 18Z

TECHNICAL DATA SHEET

Reno NC 18Z is a high alumina and zircon no cement refractory designed to be installed by pumping or casting. Quick installation, dry-out, high hot strength, low thermal shock and chemical resistance are features unique to Reno Refractories' No Cement products.

Reno NC 18Z is recommended for use in brass, cement and lime industries.

SERVICE TEMPERATURE:	2800˚F
MATERIAL REQUIRED FOR ESTIMATING:	175 lbs./cu. ft.
LIQUID ADDITIVE:	9.5 - 10%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al_2O_3	SiO_2	Fe_2O_3	TiO_2	SiC	ZrO_2
47	31	<0.5	Tr	2.5	19

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	500 – 850	3,500 – 4,000	Nil
1500	1,100 – 1,350	5,500 – 7,400	-0.1
2000	1,675 – 1,950	6,400 – 7,300	-0.3
2500	2,350 – 2,500	7,500 – 9,200	-0.4

HOT MOR @ 2500°F:	1,600 - 1,700 psi
ABRASION LOSS after 1500°F:	< 8 cc
ABRASION LOSS after 2000°F:	< 6 cc
THERMAL SHOCK LOSS, ASTM C1171	< 30% (2000°F)

PACKAGING: 55 lb. Bags, 72 per Pallet (3960 lbs.)
1500 lb. Bags, 2 per Pallet (3000 lbs.)
2000 lb. Bags, 2 per Pallet (4000 lbs.)

189200 – 7/8/15

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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