



TECHNICAL DATA SHEET

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

JET CAST NC 18Z is recommended for use in glass, cement, lime, and zinc industries.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 170 lbs./cu. ft.
BINDER ADDITION: 9-11.5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Table with 6 columns: Al2O3, SiO2, Fe2O3, TiO2, SiC, ZrO2. Values: 47, 31, <0.5, Tr, 2.5, 19.

TYPICAL PHYSICAL PROPERTIES

Table with 4 columns: Prefired to °F, Modulus of Rupture, psi, Cold Crushing Strength, psi, Linear Change %. Values: 250, 1500, 2000, 2500; 900-1,250, 1,000-1,350, 1,675-1,950, 2,050-2,500; 4,500-5,870, 4,500-7,400, 6,400-7,300, 10,500-15,300; Nil, 0.0, -0.3, -0.4.

HOT MOR @ 2500°F: 1,600 - 1,700 psi
ABRASION LOSS after 1500°F: <8 cc
ABRASION LOSS after 2500°F: <4 cc
THERMAL SHOCK LOSS, ASTM C1171: <30% (2000°F)
POROSITY after 2500°F: 14.9%

PACKAGING: 1500 lb. Bags, 2 per Pallet (3000 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.