



TECHNICAL DATA SHEET

JET CAST NC 60 Z is a high alumina no-cement refractory designed to be installed by casting. Quick installation, dry-out, high hot strength, high thermal shock and cycling resistance are features its unique characteristics.

JET CAST NC 60 Z is recommended for use in cement kiln pre-heaters, riser ducts, bull noses and cooler walls. Also it can be used in iron cupolas, ladles and for topping/patching induction furnaces. This product can easily be installed by shotcreting, pumping, or casting.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 155 lbs/cf
BINDER ADDITION: 10 - 12% by weight

TYPICAL CHEMICAL ANALYSIS (includes binder) (Calcined Basis)

Table with 5 columns: Al2O3, SiO2, Fe2O3, TiO2, Zircon. Values: 59, 33 - 34, <1.4, <1, 4.8

TYPICAL PHYSICAL PROPERTIES (Lab Gunned**)

Table with 6 columns: Prefired to °F, Modulus of Rupture, psi, Cold Crushing Strength, psi, Linear Change %, Porosity %, 'K' Factor Btu-in/hr-ft²-°F. Rows for 250, 1,500, 2,500, 2,800 °F.

Coefficient of Thermal Expansion: 2.79x10^-6 in/in/°F
ABRASION LOSS After 2000°F: <10 cc
ABRASION LOSS After 2500°F: <7 cc

HOT MOR @2500°F (Orton): 1,375 psi

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

** High pressure, high production field gunite units may produce better results

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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.