



TECHNICAL DATA SHEET

JET CAST NC 90 is a high alumina no cement refractory designed to be installed by shot-creting, pumping or casting. Quick installation, dry-out, high hot strength and refractoriness, high thermal shock resistance and chemical resistance are its unique properties.

JET CAST NC 90 is recommended for reheat furnace hearths, ladles, cupolas, runners, incinerators, glass furnace applications and precast shapes.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 183 lbs./cu. ft.
BINDER ADDITION: 9 - 10%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Table with 4 columns: Al2O3, SiO2, Fe2O3, TiO2 and corresponding values: 92-93, 6-7, 0.1, <0.1

TYPICAL PHYSICAL PROPERTIES

Table with 6 columns: Prefired to °F, Modulus of Rupture, psi, Cold Crushing Strength, psi, Linear Change %, Abrasion Loss cc, and 'K' Factor Btu-in/hr-ft² °F. Rows show data for 250, 1500, 2000, and 2500 °F.

Coefficient of Thermal Expansion: 3.19x10⁻⁶ in/in/°F

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