



TECHNICAL DATA SHEET

RENO NC GUN 90 is a tabular alumina based no cement gunning mix. The colloidal silica based binder system utilizes nanotechnology to achieve minimum pore sizing. It is easily installed by gunning.

RENO NC GUN 90 has high density, low porosity, high strength and excellent resistance to abrasion and thermal shock. This material works well in melt zones and upper shell area of cupolas. It is suggested for use in any area where abrasion and thermal shock are a problem. It is recommended for replenishment of existing linings as well as new linings.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 183 lbs/cf
BINDER ADDITION: Adjust at nozzle
STORAGE LIFE: 1 year

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Table with 7 columns: Al2O3, SiO2, TiO2, Fe2O3, MgO, CaO, Alk. and corresponding values: 91, 8, 0.07, 0.1, 0.1, 0.03, 0.6

TYPICAL PHYSICAL PROPERTIES

Table with 6 columns: Prefired to °F, Modulus of Rupture, psi, Cold Crushing Strength, psi, Linear Change %, Porosity %, and 'K' Factor Btu-in/hr-ft² °F. Rows include temperatures from 650 to 2910.

Coefficient of Thermal Expansion: 3.20x10⁻⁶ in/in/°F

ABRASION LOSS after 2500°F: <7 cc

HOT MOR @1500°F (Orton): 2,578 psi
HOT MOR @2500°F (Orton): 1,074 psi

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.)

186500 - 5/09/11

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.