



TECHNICAL DATA SHEET

Reno Jet Cast NC ATZ is a high alumina, silicon-carbide, no-cement material designed to be installed by pump/cast or shotcreting.

- This material has high density, low porosity, high hot strength and rapid dry-out characteristics which makes it an excellent material for use in foundries and steel mills with harsh conditions.
Excellent resistance to iron, slag, thermal shock and oxidation.
This material is recommended for use in the melt zone of high production cupolas.

Service Temperature: +3000°F / 1648°C
Liquid Type: Liquid Additive
Addition Quantity: 9.5 - 10.5 %

Wt. Required for Estimating: 180 lbs./ft³
Storage Life: 6 months
Shotcrete Binder: Sodium Silicate

TYPICAL CHEMICAL ANALYSIS (% Calcined Basis)

Table with 7 columns: Al2O3, SiC, SiO2, Fe2O3, TiO2, CaO, Alkalies. Values range from 69 to 0.02.

TYPICAL COLD PHYSICAL PROPERTIES - SHOTCRETED

Table with 7 columns: Prefired to °F, Cold Modulus of Rupture (psi), Cold Crushing Strength (psi), Porosity (%), Linear Change (%), Abrasion Loss (cc), Thermal Shock Change (%). Values range from 250 to 2800.

TYPICAL HOT PHYSICAL PROPERTIES

Table with 4 columns: Prefired to °F, Hot Modulus of Rupture (psi), Thermal Conductivity (BTU/ft²/hr/in/°F), Thermal Expansion (%). Values range from 250 to 2750.

Standard Cure Out Schedule: Schedule D

Packaging: 72/55# Bags per pallet; 2/2,000# bulk bags per pallet

23-067L

PIN#187375 9/29/23

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.