



RENO REFRACTORIES, INC

RENO CAST 8510 CR

TECHNICAL DATA SHEET

RENO CAST 8510 CR is a high alumina no cement castable with an iron chromite addition. It is high strength, low porosity and very good abrasion resistance to minimize reaction and penetration in iron and steelmaking applications with metal or slag contact.

Service Temperature: 3200°F
Water Addition: 4.75 - 5.25 %
Mixing Time: Minimum 5 minutes
Wt. Required for Estimating: 188 lbs./cu. Ft.
Storage Life: 6 months
Curing: Minimum of 70 F for 24 hours or longer for lower temperatures

TYPICAL CHEMICAL ANALYSIS (% Calcined Basis)

Table with 6 columns: Al2O3, Cr2O3, SiO2, Fe2O3, MgO, Alkalies. Values: 82.7, 6.2, 4.1, 3.3, 3.4, 0.2

TYPICAL COLD PHYSICAL PROPERTIES

Table with 8 columns: Prefired to °F, Cold Modulus of Rupture (psi), Cold Crushing Strength (psi), Density (pcf), Porosity (%), Linear Change (%), Abrasion Loss (cc), Thermal Shock Loss (%). Rows for temperatures 250, 750, 1500, 2000, 2500, 2800, 3000.

Packaging: 55 lb. Bags, 72 per Pallet (3960 lbs.)
1500 lb. Bags, 2 per Pallet (3000 lbs.)

22-001 H

PIN#690120 5/4/2022

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.

Reno Refractories, PO Box 201, Morris, Alabama 35116
205.647.0240 | Toll Free 1.800.741.7366