



TECHNICAL DATA SHEET

ElectroCast™ 386-C is a high alumina, bauxite based castable with a large top size aggregate. This product is designed to be installed in large precast shapes by vibration casting. Recommended for EAF deltas, tundish covers, large shapes, dynamic molten iron, and steel contact.

- High hot strength, corrosion, and abrasion resistance.
• Low porosity for reduced penetration and reaction with molten metals, slags, and vapors.
• Excellent thermal shock and impact resistance.
• Micro porosity of bond phase has greatly reduced reactivity to furnace and ladle vapors by reducing the exposed surface area.
• Based on Reno's proprietary Electro Chemical bond system featuring an electrolyte for ultimate performance.

Service Temperature: 3100°F / 1704°C
Liquid Type: E3
Addition Quantity: 3.75% - 4.25%

Wt. Required for Estimating: 179 lbs/ft³
Storage Life: 6 months
Shotcrete Binder: N/A

TYPICAL CHEMICAL ANALYSIS (% Calcined Basis)

Table with 7 columns: Al2O3, SiO2, Fe2O3, TiO2, CaO, Alkalies, Other. Values: 84, 10, 1, 3, 1, 0.08, 1.

TYPICAL COLD PHYSICAL PROPERTIES

Table with 10 columns: Prefired to °F, Cold Modulus of Rupture (psi), Cold Crushing Strength (psi), Density (pcf), Porosity (%), Linear Change (%), Abrasion Loss (cc), Thermal Shock Loss (%), Permeability (mDarcys), Surface Area (g/m²). Rows for 250, 750, 1500, 2000, 2500, 2800, 3000.

TYPICAL HOT PHYSICAL PROPERTIES

Table with 3 columns: Prefired to °F, Thermal Conductivity (BTU/ft²/hr/in/°F), Thermal Expansion (%). Rows for 250, 750, 1500, 2000, 2500, 2750, 3000.

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.