



RENO REFRACTORIES, INC

RENO CAST 80 LC AL

TECHNICAL DATA SHEET

RENO CAST 80 LC/AL is a high alumina low cement castable developed specifically for aluminum contact applications. It is very strong and abrasion resistant to withstand mechanical abuse. Typical usage would be the hearth, lower side walls and charge ramps.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 170 lbs./cu. ft.
CASTING WATER: 5.5-6.5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Table with 8 columns: Al2O3, SiO2, Fe2O3, TiO2, MgO, CaO, Alkalies, Other. Values: 77.7, 15.7, 1.2, 2.7, 0.1, 2.1, 0.3, 0.2

TYPICAL PHYSICAL PROPERTIES

Table with 4 columns: Prefired to °F, Modulus of Rupture, psi, Cold Crushing Strength, psi, Linear Change %. Values range from 250 to 3000 °F, 2,350 to 2,000 psi, 7,400 to 8,200 psi, and Nil to +0.7%.

ABRASION LOSS @ 1500°F: 3.4 cc
APP. POROSITY @ 1500°F: 14.3%

PACKAGING: 55 lb. Bags, 72 per Pallet (3,960 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.