



RENO REFRACTORIES, INC

RENO CAST 80 LC/ALZ

TECHNICAL DATA SHEET

RENO CAST 80 LC/ALZ is a low cement, high purity alumina-zircon castable for aluminum melting and holding furnace application. This product exhibits excellent resistance to aluminum penetration and resists Corundum and Spinel build-up.

RENO CAST 80 LC/ALZ application include bellyband and other molten metal contact areas.

SERVICE TEMPERATURE: 2800°F
MATERIAL REQUIRED FOR ESTIMATING: 178 lbs./cu. ft.
CASTING WATER: 5.5 – 6.5%
STORAGE LIFE: 6 Months

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	ZrO ₂	Alkalies	Other
79	5	0.9	2.2	1.5	7	0.11	3-4

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
350	550 – 875	4,050 – 5,850	Nil
1000	520 – 810	3,900 – 6,300	-0.2
1500	600 – 820	5,000 – 6,500	0.0
2000	1,750 – 1,980	9,500 – 11,400	+0.4

ABRASION LOSS AFTER 1500°F: <10cc

HOT MOR @ 1500°F: 2,740 psi

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.

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