



RENO REFRACTORIES, INC

RENO CAST 65 LC/ALX

TECHNICAL DATA SHEET

RENO CAST 65 LC/ALX is a mullite based, low cement, high alumina castable. It was designed for use in molten aluminum contact areas where high strengths, excellent abrasion resistance, volume stability and non wetting by the molten metal is required.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 162 lbs./cu. ft.
CASTING WATER: 5 - 6%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	P ₂ O ₅	Other
64 – 65	23 – 24	0.9	1.9	0.1	1.6	0.2	0.1	6 - 7

** Silica combined with alumina as Pre-reacted Mullite aggregate is 18%. Amorphous silica is <6%

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	“K” Factor Btu-in/hr-ft ² °F
250	2,670	9,400	Nil	1000°F –10.34
1500	3,017	10,300	-0.1	9.67
2000	3,067	10,400	-0.2	9.44
2500	2,903	9,675	-0.1	---

ABRASION LOSS AFTER 1500°F: 3.5 cc

APP. POROSITY AFTER 1500°F: 11-12%

HOT MOR @ 1500°F: 3500 psi

PACKAGING: 55 lb. Bags, 72 per Pallet (3960 lbs.)
1500 lb. Bags, 2 per Pallet (3000 lbs.)
2000 lb. Bags, 2 per Pallet (4000 lbs.)

149600 – 9/24/02

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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