



RENO REFRACTORIES, INC

RENO CAST 50 LC

TECHNICAL DATA SHEET

RENO CAST 50 LC is a low moisture, low cement, super duty castable for service up to 3000°F. This product has superior strength and abrasion resistance as compared to conventional castables of the same classification.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 148 lbs./cu. ft.
CASTING WATER: 3.5 qts./100 lbs.

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
48.8	46.4	0.8	1.4	0.1	2.1	0.2	0.2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,350	4,300	Nil
1500	1,950	7,800	-0.2
2000	2,400	12,100	-0.2
2500	2,000	10,500	+0.9

ABRASION LOSS AFTER 1500°F: 5.8 cc

APP. POROSITY AFTER 1500°F: 12.5%

HOT MOR AFTER 1500°F: 2500 psi

HOT MOR AFTER 2000°F: 3100 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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