



RENO REFRACTORIES, INC

RENO LITE CAST 25-50

TECHNICAL DATA SHEET

RENO LITE CAST 25-50 is a hydraulic setting insulating castable with a service limit of 2500°F. It exhibits low thermal conductivity and good strength.

RENO LITE CAST 25-50 can be cast or gunned.

SERVICE TEMPERATURE: 2500°F
MATERIAL REQUIRED FOR ESTIMATING: 50 lbs./cu. ft.
CASTING WATER: 40-48%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	MgO	CaO	Alkalies
44	40	1.1	<0.5	10 – 12	<1.5

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Cold Crushing Strength, psi	Linear Change %	“K” Factor Btu/ft ² /hr/in/°F
250	200 – 300	Nil	500°F – 1.3
1500	150 – 300	-0.3	1000°F – 1.4
2000	125 – 280	-1.3	1500°F – 1.6
2400	120 – 250	+1.1	2000°F – 2.0

Apparent Porosity after 2400°F: 53.5%

PACKAGING: 50 lb. Bags, 40 per Pallet (2000 lbs.)

136500 – 1/19/12

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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