



TECHNICAL DATA SHEET

RENO CAST 95 LCT is an extra high alumina, low cement castable with physical and chemical properties that are superior to conventional castables of similar alumina content. It displays high density and strength, low porosity and abrasion resistance. It can easily be installed by vibration casting, pumping, or as a self flow castable.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 190 lbs./cu. ft.
VIBRA CASTING WATER: 3.6 – 3.9 %
PUMPING / SELF FLOW WATER: 4.0 – 4.25 %

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
92 – 93	6	0.1	Nil	Nil	1.0	0.2	0.1

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	K Factors BTU•in/hr•ft ² •°F
250	3,100	10,700	Nil	450°F – 17.8
1500	4,700	11,100	Nil	1200°F – 18.3
2000	5,000	24,000	-0.3	1850°F – 18.2
2500	6,300	28,300	-0.5	2221°F – 18.0
3000	5,100	22,100	-0.9	

ABRASION LOSS after 1500°F: 3.7 cc

APPARENT POROSITY after 1500°F: 8.9%

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

163200 – 10/09/14

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.