



TECHNICAL DATA SHEET

RENO LITE CAST 22 is a strong, and low shrinkage insulating castable. The volume stability combined with low thermal conductivity will give a thermally efficient lining with a minimum of cracking. Reduced cracking reduces heat by-passage and increases the lining integrity.

SERVICE TEMPERATURE: 2300°F
MATERIAL REQUIRED FOR ESTIMATING: 55-60 lbs./cu. ft.
CASTING WATER: 27-36%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	MgO	CaO	Alkalies
19 – 22	42 – 47	1.5 – 2.0	<0.5	27 – 30	1.5

TYPICAL PHYSICAL PROPERTIES (Vibcast)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	200 – 300	700 – 1,200	Nil
1500	100 – 200	400 – 900	-0.2
2000	70 – 170	200 – 500	-1.0

THERMAL CONDUCTIVITY (BTU-in/hr-ft²-F) 500°F - 1.75
900°F - 2.45
1500°F - 3.40

PACKAGING: 50 lb. Bags, 40 per Pallet (2,000 lbs.)

133200 - 7/27/13

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.