



TECHNICAL DATA SHEETS

RENO LITE CAST 80 is strong insulating castable with low thermal expansion and minimal cracking.

METHOD OF INSTALLATION

- Cast
- Gun

SERVICE TEMPERATURE: 2,800 °F
MATERIAL REQUIRED FOR ESTIMATEING: 80 lbs./ft³ (cast)
 95 lbs./ft³ (gun)
CASTING WATER: 35 - 40 %

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalis	Other
53.3	34.9	1.0	0.9	0.2	8.1	1.2	Nil

TYPICAL PHYSICAL PROPERTIES (cast)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	"K" Factor Btu-in/hr-ft ² °F
250	390	1,500	-0.1	---
1,000	375	1,280	-0.3	3.64
1,500	400	1,130	-0.4	3.59
2,500	835	1,790	+0.1	---
2,800	837	1,367	-0.1	

TYPICAL PHYSICAL PROPERTIES (gun)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	480	2,530	+0.2
1,000	540	1,890	-0.4
1,500	790	1,460	-0.5
2,500	895	2,800	+0.3

"K" FACTOR @ 500 °F (BTU-IN/HR-FT² °F): 3.69 (cast)
COEFFICIENT OF THERMAL EXPANSION: 3.77 x10⁻⁶ in/in/ °F (cast)

PACKAGING: 50 lb. Bags, 40 Per Pallet (2,000 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.