



RENO REFRACTORIES, INC

RENO LITE GUN 80 AL

TECHNICAL DATA SHEET

RENO LITE GUN 80 AL is a strong 2500°F insulating gunnite. Volume stability and low thermal conductivity gives a thermally efficient lining with minimal cracking. Resists aluminum penetration.

RENO LITE GUN 80 has a density of 80 pounds per cubic foot after firing to 1500°F.

SERVICE TEMPERATURE: 2500°F
MATERIAL REQUIRED FOR ESTIMATING: 78 - 83 lbs/cf
WATER ADDITION: Adjust at nozzle

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
50	38	1.0	0.9	0.2	8.1	1.2	Nil

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
230	500 – 650	2,500 – 3,300	-0.2
1500	275 – 450	1,400 – 2,600	-0.7
2000	250 – 400	1,360 – 2,250	-0.7

“K” FACTOR @ 1000°F: 3.01 Btu-in/hr-ft² °F
“K” FACTOR @ 1500°F: 3.33 Btu-in/hr-ft² °F
“K” FACTOR @ 2000°F: 3.79 Btu-in/hr-ft² °F

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