



RENO REFRACTORIES, INC

RENO NC HOT GUN FS

TECHNICAL DATA SHEET

RENO NC HOT GUN FS is a no-cement, thermal shock resistant gunite containing a high percentage of fused silica. Designed to be used in hot applications using a lance.

RENO NC HOT GUN FS is ideal for applications where abrasion resistance, low thermal expansion, low thermal conductivity and shock resistance are needed.

SERVICE TEMPERATURE: 2600°F
MATERIAL REQUIRED FOR ESTIMATING: 119 lbs./cu. ft. (w/o rebound)
LIQUID ADDITIVE REQUIRED 15%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	Alkalies	Other
27	71	0.3	0.1	0.1	0.1	1.4

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	700	4,035	-0.28
750	1,584	4,365	-0.02
1500	1,093	5,205	-0.03
2000	1,000	4,499	-0.35
2500	920	3,832	-0.60

ABRASION LOSS AFTER 1500°F: 18 cc
APPARENT POROSITY AFTER 1500°F: 20%
COEFFICIENT OF THERMAL EXPANSION: 1.6
THERMAL CONDUCTIVITY @ 1500°F (mean temp.): 8 - Btu-in/hr.-ft² -°F

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