



RENO REFRACTORIES, INC

RENO NC HOT GUN 6044

TECHNICAL DATA SHEET

RENO NC HOT GUN 6044 is a high alumina-silicon carbide, no cement material designed to be installed by gunning onto hot surface. Special characteristics are its high density, low porosity and rapid dry-out along with excellent resistance to iron, slag, thermal shock and oxidation.

RENO NC HOT GUN 6044 is suggested for furnace troughs, iron and slag runners, and de-sulphurizing ladles, for resurfacing.

SERVICE TEMPERATURE:	3000°F (Reducing)
MATERIAL REQUIRED FOR ESTIMATING:	160 lbs./cu. ft.
STORAGE LIFE:	1 year
BINDER ADDITION: (adjust at nozzle)	Adjust at Nozzle

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	SiC + C
74	7	0.8	2.5	15 - 16

TYPICAL PHYSICAL PROPERTIES (Reducing conditions above 1500°F)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Abrasion Loss cc	Linear Change %
750	450 – 750	2,960 – 3,460	-	0.3
1500	1,100 – 1,200	5,750 – 6,600	3 - 5	-0.1
2500	1,300 – 1,900	8,000 – 9,000	4 - 8	0.5
2800	1,360 – 1,460	10,000 – 12,000	8 - 12	0.7

HMOR after 5 hour soak 2750°F: 291 psi

PACKAGING: 55 lb. Bags, 72 per Pallet (3960 lbs.)

19-163 X

188210 – 11/9/19

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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