



RENO REFRACTORIES, INC

MACH GUN 70AL

TECHNICAL DATA SHEET

MACH GUN 70AL is a high alumina, non-wetting, chemically bonded gunite refractory having excellent thermal shock resistance, high refractoriness and strength at high temperatures. Also exhibits positive expansion at high temperatures.

MACH GUN 70AL is ideal for hot or cold furnace repairs. .

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 153 lbs./cu. ft.
WATER ADDITION: Adjust at Nozzle

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	TiO ₂	P ₂ O ₅	Fe ₂ O ₃	Other
69	20	2	4.6	<1.0	3

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
650	600 – 1,050	2,200 – 3,600	+0.5
1500	600 – 1,050	3,200 – 4,600	-0.2
2500	1,500 – 1,850	5,800 – 7,500	+0.2

ABRASION LOSS after 1500°F: <13 cc

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