



RENO REFRACTORIES, INC

RENO NC MAG GUN

TECHNICAL DATA SHEET

RENO NC MAG GUN is a magnesite-alumina, no cement refractory with excellent resistance to alkali reaction, thermal shock and erosion. It is designed to be installed by gunning with binder added at the nozzle. Binder is included with the material. Expansion at high temperature will tighten the repair material in place.

RENO NC MAG GUN is recommended for patching basic brick sections in cement kilns. Hydrating nozzle is recommended.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 170 lbs./cu. ft.
STORAGE LIFE: 3-6 months
BINDER ADDITION: Adjust at Nozzle

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

MgO	Al ₂ O ₃	SiO ₂	CaO	Fe ₂ O ₃
67 – 70	22 - 25	6 - 8	1 - 2	<1

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
750	950 - 1,230	6,500 - 9,200	-0.4
1000	870 - 1,400	6,900 - 8,100	+0.1
1500	475 - 525	3,600 - 5,900	-0.1
2000	390 - 450	4,200 - 5,700	+0.4
2500	960 - 1,200	2,800 - 3,700	+1.4
2800	950 - 1,225	5,050 - 5,700	+1.1

Abrasion Loss after 2500°F: <18 cc
Abrasion Loss after 2700°F: <13 cc

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.

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