



RENO REFRACTORIES, INC

RENO NC GUN 6059

TECHNICAL DATA SHEET

RENO NC GUN 6059 is a high alumina, silicon carbide no cement gunning mix. This material has high density, low porosity, high strength and excellent resistance to aluminum, iron, fluxes, alkali attack, thermal shock and oxidation. The material is designed to be installed by gunning. Applications include resurfacing aluminum furnace walls and repairing iron ladles

SERVICE TEMPERATURE:	3000°F (reducing)
MATERIAL REQUIRED FOR ESTIMATING:	162 lbs/cf
BINDER ADDITION (at nozzle):	Adjust at Nozzle
STORAGE LIFE:	1 year

TYPICAL CHEMICAL ANALYSIS (includes binder) (Calcined Basis)

Al ₂ O ₃	Fe ₂ O ₃	SiO ₂	TiO ₂	CaO	SiC
77	1	13	2	0.2	7

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
1,000	1,090	6,150	Nil
1,500	1,250	6,700	0.0
2,500	2,150	10,100	+0.4

ABRASION LOSS @ 1000°F:	9.5 cc
ABRASION LOSS @ 1500°F:	10 cc
ABRASION LOSS @ 2500°F:	<6 cc

HOT MOR (ASTM C583) @ 1500°F:	2,700 psi
HOT MOR (ASTM C583) @ 2500°F:	903 psi (Orton)

POROSITY AFTER 1500°F:	19 %
2500°F:	16 %

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.