



**TECHNICAL DATA SHEET**

**RENO NC GUN 6044 HT** is a sintered alumina, silicon carbide, no cement material designed to be installed by gunning. Special characteristics are its low porosity, volume stability and rapid dry-out along with excellent resistance to iron, slag, thermal shock and oxidation. Thermal cracking is reduced by the positive expansion when heated at high temperatures.

**RENO NC GUN 6044 HT** is suggested for cupola melt zones, cupola carbon wells, furnace troughs, iron and slag runners, either as an original lining or for resurfacing. Can also be used where slag wear is a problem.

<b>SERVICE TEMPERATURE:</b>	3100°F (reducing)
<b>MATERIAL REQUIRED FOR ESTIMATING:</b>	157 lbs/cf
<b>BINDER ADDITION: (adjust at nozzle)</b>	Adjust at Nozzle
<b>STORAGE LIFE:</b>	1 year

**TYPICAL CHEMICAL ANALYSIS (Calcined Basis)**

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	SiC + C
79	8	0.3	0.1	13-14

**TYPICAL PHYSICAL PROPERTIES (reducing conditions above 250°F)**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
1,500	950	4,370 – 5,800	-0.2
2,500	1,575	5,400 – 7,000	+0.5
2,750	2,319	4,756 – 7,716	+1.4

**ABRASION LOSS After 2500°F:** <11 cc loss

**HOT MOR @1800°F (Orton):** 2,125 psi  
**HOT MOR @2500°F (Orton):** 1,197 psi

**POROSITY After 2500°F:** 18.1%

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

188000 – 6/16/09

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.