



TECHNICAL DATA SHEET

Reno NC 67 is a high alumina no cement refractory designed to be installed by casting or pumping. Quick installation, dry-out, high hot strength, high thermal shock, slag and metal penetration resistance are features of this product.

Reno NC 67 is recommended for cement kilns and iron contact applications.

**SERVICE TEMPERATURE:** 3000°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 162 lbs/ft<sup>3</sup>  
**BINDER ADDITION (PUMPING):** 10 – 11.5%

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>	Ti O <sub>2</sub>
67	31	<1	<2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	945 – 990	7,800 – 8,220	Nil
1,500	1,044 – 1,188	9,225 – 9,653	-0.3
2,000	1,530 – 2,025	13,590 – 15,201	-0.1
2,500	2,034 – 2,610	13,770 – 13,968	+0.7

**ABRASION LOSS After 1500°F:** <8 cc  
**ABRASION LOSS After 2000°F:** <7 cc  
**ABRASION LOSS After 2500°F:** <6 cc

**THERMAL SHOCK LOSS, ASTM 1100:** 7%  
**HMOR (ASTM 583) at 2750F:** 893 psi (Orton)

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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.