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**TECHNICAL DATA SHEET**

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**RENO NC 70 HGS** is a high alumina no cement refractory designed to be installed by casting or pumping. Develops good green strength for handling of cast shapes. Quick dry-out, high hot strength and refractoriness, thermal shock resistance and iron oxide penetration resistance are its unique properties.

**RENO NC 70 HGS** is recommended for reheat furnace hearths, steel ladle barrels, lances, tundish back-up linings and precast shapes including burner blocks.

**SERVICE TEMPERATURE:** 3000°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 156 lbs./cu. ft.  
**BINDER ADDITION:** 9.5–10.5 %

**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>	TiO <sub>2</sub>	Other
65 – 68	30 – 32	<0.9	<1.5	<1

**TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	Abrasion Loss cc
Air	--	600 – 700	--	--
250	950 – 1,050	4,000 – 4,400	-0.1	--
1500	1,100 – 1,250	4,400 – 8,700	+0.1	8.5
2000	1,500 – 1,750	8,640 – 9,300	--	5.8
2500	2,000 – 2,500	11,000 – 14,000	+0.3	4.5

**PACKAGING:** 55 lb. Bags, 72 per Pallet (3960 lbs.)  
1500 lb. Bags, 2 per Pallet (3000 lbs.)  
2000 lb. Bags, 2 per Pallet (4000 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.