



RENO REFRACTORIES, INC

RENO NC 8067 CRM

TECHNICAL DATA SHEET

RENO NC 8067 CRM is a high alumina no cement castable with chrome oxide addition. Colloidal silica based binder system utilizes nanotechnology to achieve minimum pore sizing.

RENO NC 8067 CRM has high density, low porosity, high strength and excellent resistance to iron, steel, slag, iron oxide and thermal shock. The chrome addition enhances the corrosion resistance to high FeO containing slag.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 180 lbs/cf
BINDER ADDITION: 9 - 10% by weight

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	Cr ₂ O ₃	Alkalis
79 – 80	14 – 15	0.3	0.3	5	0.2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	Porosity %	Thermal "K" Btu/ft-F
250	1,395	7,384	0.0	---	---
1,500	1,620	10,300	-0.1	17.5	20.3
2,500	1,875	12,250	+0.5	16.7	15.9

HOT MOR @2500°F (Orton): 465 psi

ABRASION LOSS After 2000°F: <4 cc

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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.

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