



RENO REFRACTORIES, INC

RENO NC-60X

TECHNICAL DATA SHEET

RENO NC-60X is a high alumina no cement refractory with an addition of silicon carbide designed to be installed by pumping or casting. Quick installation and dry-out, high hot strength, high thermal shock and cycling resistance are features unique to Reno Refractories' No Cement products.

RENO NC-60X is recommended for use in cement kilns and iron contact applications. Can be vibrated, pumped or shotcreted

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 155 lbs/cf
BINDER ADDITION: 9.5 – 10.5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	SiC
56	33	0.9	1.7	7.9

TYPICAL PHYSICAL PROPERTIES (Reducing Conditions)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,775 – 1,960	6,325 – 7,250	Nil
1500	1,800 – 2,450	7,800 – 11,400	0.0
2000	1,600 – 2,850	8,500 – 12,000	-0.3
2500	2,920 – 3,300	10,600 – 13,200	0.8

ABRASION LOSS AFTER 1500°F: <5 cc
ABRASION LOSS AFTER 2500°F: <2 cc
POROSITY AT 1500°F: 16.7%

PACKAGING: 55 lb. Bags, 72 per Pallet (3,960 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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