



RENO REFRACTORIES, INC

RENO NC 90 SIC

TECHNICAL DATA SHEET

RENO NC 90 SIC is a very pure no cement castable containing an extremely high percentage of silicon carbide. It was developed specifically for the melt zone of high production cupolas. It also contains a very effective oxidation inhibitor.

RENO NC 90 SIC was developed to be pumped into place using a refractory pump system.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 170 lbs/cf
BINDER ADDITION: 11 - 13%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	SIC + C	Other
8.4	7.1	0.1	Nil	Nil	84	0.7

TYPICAL PHYSICAL PROPERTIES (*Fired in a reducing atmosphere)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	685	---	Nil
1,500*	1,520	---	Nil
2,500	4,440	---	+0.1

ABRASION LOSS After 2000°F: <13 cc
ABRASION LOSS After 2500°F: < 5 cc

PACKAGING: 1500 lb. bulk bags, 2 per pallet (3000 lbs)
3000 lb. bulk bags, 1 per pallet (3000 lbs)

188300 – 9/17/03

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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