RENO REFRACTORIES, INC

RENO NC - FSCO

TECHNICAL DATA SHEET

RENO NC - FSCO is a fused silica heat setting (no-cement) casting mix which can be installed by casting, pumping or shotcreting with better properties than silica brick in strength, abrasion resistance, thermal expansion, and thermal shock resistance.

RENO NC - FSCO applications include coke ovens, cement kiln pre-heater and ducts, brass applications and areas that require superior shock resistance. Works well for repairing existing linings.

SERVICE TEMPERATURE: 2400˚F
MATERIAL REQUIRED FOR ESTIMATING: 115 lbs/cf
LIQUID ADDITIVE (cast): 12 - 13%
LIQUID ADDITIVE (pump): 14 - 15%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)**:** 99% SiO_2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Bulk Density lbs/cf	Linear Change %
Cast			
250	850 – 950	111	0.0
1500	900 – 1,050	111	-0.11
Shotcrete			
250	700 – 750	110	0.0
1500	500 – 600	110	-0.2

ABRASION LOSS AFTER 1500ºF: 7 – 9 cc

COEF. THERMAL EXPANSION: -0.8 x 10^6

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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