



RENO REFRACTORIES, INC

RENO PRESS FS 94

TECHNICAL DATA SHEET

RENO PRESS FS 94 is a phosphate bonded press mix containing a high percentage of fused silica.

RENO PRESS FS 94 is recommended for the manufacture of pressed shapes that need to resist thermal shock damage. Coke oven repair shapes are common application.

SERVICE TEMPERATURE: 2800°F  
MATERIAL REQUIRED FOR ESTIMATING: 110 lbs/cf

TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MgO	Alkalies	P <sub>2</sub> O <sub>5</sub>
2 - 4	92 - 94	0.2	0.1	0.1	0.1	3 - 4

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Density lbs/cf
800	1,016	2,250	--
2,000	643	1,850	110

LINEAR CHANGE AFTER 2750°F: -0.4%

HOT MOR @2500°F (Orton): 1,519 psi

THERMAL CONDUCTIVITY	Btu/ft <sup>2</sup> /in/hr
500°F	5.5
1500°F	5.7
2200°F	6.1

PACKAGING: 50 lb. Bags, 50 per Pallet Box (2500 lbs.)

388000 – 8/24/10

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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