



RENO REFRACTORIES, INC

RENO PT 90 HP

TECHNICAL DATA SHEET

RENO PT 90 HP is a high purity, extra high alumina, fine grained, phosphate bonded plaster refractory. It exhibits excellent hot strengths, very high density and volume stability.

RENO PT 90 HP is used for severe applications such as linings over studded tubes in CFB cyclones and for re-surfacing worn refractory.

SERVICE TEMPERATURE: 3300°F
MATERIAL REQUIRED FOR ESTIMATING: 180 lbs./cu. ft.

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	P ₂ O ₅	Other
88	4.9	0.1	0.3	0.1	0.1	6.6	0.1

TYPICAL PHYSICAL PROPERTIES

Pre-fired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2,200 – 2,600	6,200 – 7,200	-0.3
1500	2,850 – 3,500	6,300 – 8,300	-0.4
2000	3,000 – 3,500	7,400 – 8,800	-0.4
2500	4,500 – 5,900	12,500 – 13,000	-0.5

PACKAGING: 60 lbs. pails, 48 per Pallet (2880 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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