RENO REFRACTORIES, INC

RENO GUARD

TECHNICAL DATA SHEET

RENO GUARD is a steel needle preform containing high alumina self-flow castable.

- High abrasion and strength

SERVICE TEMPERATURE: 2500ºF
STORAGE LIFE: 6 months
MATERIAL REQUIRED FOR ESTIMATING: 188 lb/cu.ft.
WATER ADDITION: 12.25 – 12.5% by weight

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al_2O_3	SiO_2	Fe_2O_3	TiO_2	MgO	CaO	Alkali	Other
86.5	10.75	0.2	0.1	trace	1.35	0.21	0.75

TYPICAL PHYSICAL PROPERTIES

Prefire Temperature (ºF)	Modulus of Rupture (psi)	Cold Crushing Strength (psi)	Density (pcf)	Porosity (%)	Linear Change (%)
1500	6,190 – 6,315	5,975 – 12,541	188	26.2	-0.1
2500	6,120 – 7,885	8,987 – 15,348	185	23.9	3.4

ABRASION LOSS After 1500ºF: 2.0 cc
ABRASION LOSS After 2500ºF: 0.8 cc

157000 – 3/16/18

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