



TECHNICAL DATA SHEET

RENO PUMP 30 SIC is a 30% silicon carbide, low cement castable developed to be pumped or cast into place. The alkali resistance, high strengths, volume stability and low iron content make RENO PUMP 30 SIC ideal for a variety of applications. Some examples are in cement kiln preheaters and coal fired boiler applications.

SERVICE TEMPERATURE:	3000°F (reducing)
MATERIAL REQUIRED FOR ESTIMATING (cast):	145 lbs./cu. ft.
CASTING WATER:	5 – 6%
PUMPING WATER:	6 - 7%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	SIC	CaO
34 – 35	30 – 31	<0.6	<1.0	<0.1	29 – 30	2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2,000	6,800	----
1500	2,520	8,100	-0.1
2000	2,600	8,500	-0.2
2500	3,200	11,000	+0.2

ABRASION after 1500°F: <5 cc
 ABRASION after 2500°F: <4 cc

PACKAGING: 55 lb. Bags, 72 per Pallet (3960 lbs.) 2/1500# sacks

166100 – 5/28/15

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.