

SPARCON SC30P

SPARCON SC30P is a 30% silicon carbide, low-cement bonded, specialty refractory which combines excellent abrasion resistance and moderately high thermal conductivity to make it an excellent choice for riser lines in cement plants. This product can be installed by vibration casting, pump-casting and shotcreting.

PHYSICAL PROPERTIES

Maximum Service Temperature	2800° F	
Water Required for Vibration Casting by weight	4.5% to 5.5%	
Water Required for Pumpcast/Shotcrete: by weight	5.75% to 6.75%	
	<u>Vibrate Cast</u>	<u>Pumpcast</u>
Bulk Density, lbs/ft ³		
After Heating to 230° F	160	157
After Heating to 1700° F	157	154
Cold Crushing Strength, psi		
After Heating to 1700° F	14000 -19000	13000-17000
Modulus of Rupture, psi		
After Heating to 1700° F	3000 - 4000	2500 - 3500
Erosion Resistance (ASTM C704)	Less than 10 cc loss	
After Heating to 1700° F	(Typical: 4 to 6 cc loss pumpcast)	
Linear Change, %		
After Heating to 1700° F	-0.1 to 0.4	-0.1 to -0.4
Thermal Conductivity:		
<u>Mean Temp:</u>	<u>BTU/ft²/Hr/°F/in</u>	
1000° F	25	
1700° F	31	
Typical Chemical Analysis, %		
SiC	31.6	
Al ₂ O ₃	37.1	
SiO ₂	28.0	
CaO	1.7	
TiO ₂	0.8	
Fe ₂ O ₃	0.5	
MgO	0.1	
Alkalies	0.2	

SPARCON SC30P is available in 50# bags, 1000#, 1500#, and 2000# bulk bags palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE

Data shown are average results of standard ASTM testing unless otherwise noted. Results may vary subject to normal variations in manufacturing, testing, and installation procedures in the field.