

SPARFIRE SC 70P

SPARFIRE SC 70P is a silicon-carbide, low-cement bonded, specialty refractory that may be installed by vibration casting, pumping, or applied as a “shotcrete” specialty. This product was designed for an accelerated dryout schedule.

PHYSICAL PROPERTIES

Maximum Service Temperature	2600°F	
Mix Water Required (% by weight)	<u>Vibrate cast</u> 4.0 to 4.5	<u>Pumpcast</u> 4.5 – 5.0
Bulk Density, lbs/ft ³		
After Heating to 1500°F	165	163
Modulus of Rupture, lbs/sq.in.		
After Heating to 1500°F	3500-4500	3000-4000
Cold Crushing Strength, lbs/sq.in.		
After Heating to 1500°F	13000 - 18000	
Abrasion Resistance (ASTM C-704)	9cc max. (Typical: 4 - 6 cc loss)	
Linear Change, %		
After Heating to 1500°F	-0.1 to -0.4	
Thermal Conductivity: (BTU/ft ² /Hr/°F/in.)		
At 1000°F	68	
At 1500°F	75	
Typical Chemical Analysis, %		
SiC	69.6	
Al ₂ O ₃	19.4	
SiO ₂	8.9	
CaO	1.7	
TiO ₂	0.1	
Fe ₂ O ₃	0.1	
Alkalies	0.2	

SPARFIRE SC 70P is available in 50# bags or 1000#, 2000#, and 3000# 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.