

SPARCON 60SC/P

SPARCON 60SC/P is a silicon-carbide, low-cement bonded, specialty refractory that may be installed by vibration casting, pumping, or applied as a “shotcrete” specialty.

PHYSICAL PROPERTIES

Maximum Service Temperature	2700°F	
	<u>Vibrate cast</u>	<u>Pumpcast</u>
Mix Water Required (% by weight)	4.5 – 5.5	5.5 – 6.5
Bulk Density, lbs/ft ³ (at 230°F)	165	160
Modulus of Rupture, psi		
After Heating to 1700°F	4000-6000	3000-5000
Cold Crushing Strength, psi		
After Heating to 1700°F	15000-20000 lbs/sq.in	
Abrasion Resistance (ASTM C-704)	Less than 7.0 cc.loss (Typical: 3 to 4 cc loss)	
Linear Change, %		
After Heating to 1700°F	-0.1 to -0.4	-0.1 to -0.4
Thermal Conductivity: (BTU/ft ² /Hr/°F/in.)		
At 1000°F	40	
At 1700°F	43	
Typical Chemical Analysis, %		
SiC	59.4	
Al ₂ O ₃	22.4	
SiO ₂	15.7	
CaO	1.4	
TiO ₂	0.4	
Fe ₂ O ₃	0.4	
Alkalies	0.3	

SPARCON 60SC/P 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.