

SPARFIRE SC80G

SPARFIRE SC80G is a low-cement bonded, 80% silicon carbide, gun-grade refractory designed for installation by gunite ONLY. This product virtually eliminates the need for long (24 hour) curing time in the unit. Additionally, this product is designed for an accelerated dry out schedule.

PHYSICAL PROPERTIES

Maximum Service Temperature	2750°F
Bulk Density, lbs/ft ³	
After Heating to 230°F	152
After Heating to 1700°F	149
Cold Crushing Strength, psi	
After Heating to 1700°F	6000 - 10000
Modulus of Rupture, psi	
After Heating to 1700°F	1400 - 2000
Erosion Resistance (ASTM C704)	Less than 14 cc loss
After Heating to 1700°F	(Typical: 8 – 11 cc loss)
Linear Change, %	
After Heating to 1700°F	-0.1 to -0.4
Thermal Conductivity:	
<u>Mean Temp:</u>	<u>BTU/ft²/Hr/°F/in</u>
1000°F	65
1700°F	75
Typical Chemical Analysis, %	
SiC	78.6
Al ₂ O ₃	9.9
SiO ₂	9.1
CaO	1.4
TiO ₂	0.3
Fe ₂ O ₃	0.3
Alkalies	0.4

SPARFIRE SC80G 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 tests unless otherwise noted. Results may vary subject to variations in manufacturing, testing, and installation procedures in the field.