

**SPARCON SC60G**

**SPARCON SC60G** is a low-cement bonded, 60% silicon carbide, gun-grade refractory specialty which combines excellent abrasion resistance and high thermal conductivity. This product is an excellent choice for tube walls in the combustion zone of power plant generating units and waste incinerators. This product exhibits excellent slag resistance qualities. **SPARCON SC60G** is designed for dry gunning ONLY.

**PHYSICAL PROPERTIES**

Maximum Service Temperature	2700°F
Pre-damp water (qts/50# bag)	0.5 to 1.0 qts/bag
Bulk Density, lbs/ft <sup>3</sup> (at 230°F)	150 – 155
Modulus of Rupture, psi After Heating to 1700°F	2000 – 3000 lbs/sq.in
Cold Crushing Strength, psi After Heating to 1700°F	9000 - 13000 lbs/sq.in
Abrasion Resistance (ASTM C-704)	Less than 12.0 cc.loss (Typical: 8 to 10 cc loss)
Linear Change, % After Heating to 1700°F	-0.1 to -0.4
Thermal Conductivity: (BTU/ft <sup>2</sup> /Hr/°F/in.)	
At 1000°F	40
At 1700°F	43
Typical Chemical Analysis, %	
SiC	59.7
Al <sub>2</sub> O <sub>3</sub>	21.3
SiO <sub>2</sub>	16.0
CaO	2.0
TiO <sub>2</sub>	0.4
Fe <sub>2</sub> O <sub>3</sub>	0.4
Alkalies	0.2

**SPARCON SC60G** 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.