SPAR, Inc.

REFRACTORY SPECIALTIES

LOW CEMENT SPECIALTIES

PRODUCT DATA

SPARCON SC80G

SPARCON SC80G is a low-cement bonded, 80% 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. **SPARCON SC80G** is designed for dry gunning ONLY.

PHYSICAL PROPERTIES

Maximum Service Temperature	2750°F
Bulk Density, lbs/ft^3	
After Heating to 230°F	150
After Heating to 1700°F	147
Cold Crushing Strength, psi	
After Heating to 1700°F	8000 - 12000
Modulus of Rupture, psi	
After Heating to 1700°F	2000 - 3000
Erosion Resistance (ASTM C704)	Less than 12 cc loss
After Heating to 1700°F	(Typical: 7 cc loss)
Linear Change, %	
After Heating to 1700°F	-0.1 to -0.4

Thermal Conductivity:

Mean Temp:	BTU/ft^2/Hr/°F/in
1000°F	65
1700°F	75

Typical Chemical Analysis, %

SiC	78.3
Al_2O_3	10.3
SiO_2	8.8
CaO	2.0
TiO_2	0.1
Fe_2O_3	0.2
Alkalies	0.3

SPARCON-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.

P.O. Box 909, Jacksonville, AL 36265 Phone: (256) 435-9342 Fax: (256) 435-9373