

## SPARCON 32G

**SPARCON 32G** is a high strength, low-cement bonded refractory designed for dry gunning only.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Dry Castable Requirement	160 - 164 lbs./cu.ft.
Water Required for Predampening	½ - 1½ quarts per 100 lbs.
Erosion Resistance (ASTM C704)	Less than 10 cc loss (Typical: 5 - 7 cc loss)
Modulus of Rupture	
After Heating to 1500°F	1800-2300 lbs/sq.in.
After Heating to 2500°F	1700-2200 lbs/sq.in.
After Heating to 2910°F	1800-2300 lbs/sq.in.
Cold Crushing Strength	
After Heating to 1500°F	9000-14000 lbs/sq.in.
After Heating to 2500°F	9000-13000 lbs/sq.in.
After Heating to 2910°F	9000-13000 lbs/sq.in.
Linear Change, %	
After Heating to 1500°F	0.0 to -0.4
After Heating to 2500°F	+1.2 to +1.5
After Heating to 2910°F	+1.1 to +1.5
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	75.8
SiO <sub>2</sub>	18.3
CaO	1.5
TiO <sub>2</sub>	2.4
Fe <sub>2</sub> O <sub>3</sub>	1.3
MgO	0.2
Alkalies	0.5

**SPARCON 32G** is available in 50# bags, 100# bags, 1500#, 2000#, and 3000# bulk bags, palletized and shrink-wrapped.

#### **NOTE: CASTABLES MUST BE STORED IN A 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.