

## SPARFIRE AZS-G

**SPARFIRE AZS-G** is a high strength, low-cement bonded refractory designed for **dry gunning only**. Is a true low cement product and is very resistant to mechanical abuse and chemical attack. It is designed for use in riser lines in the cement industry.

### PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F
Water Required for Predampening	¾ - 1¾ quarts per 100 lbs.
Erosion Resistance (ASTM C704)	Less than 13 cc loss (Typical: 7-9 cc loss)
Bulk Density	171 – 177 lbs./cu.ft.
Modulus of Rupture After Heating to 1500°F	1400-1900 lbs/sq.in.
Cold Crushing Strength After Heating to 1500°F	7500-12000 lbs/sq.in.
Linear Change, % After Heating to 1500°F	0.0 to -0.4
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	45.1
SiO <sub>2</sub>	25.6
ZrO <sub>2</sub>	25.8
CaO	1.5
TiO <sub>2</sub>	0.3
Fe <sub>2</sub> O <sub>3</sub>	0.3
MgO	0.1
Alkalies	1.3

**SPARFIRE AZS-G** is available in 55<sup>#</sup> bags and 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.