

## SPARCON 30ZG

**SPARCON 30ZG** 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 used in the power generation, incineration, cement, lime, heat treating, and other industries.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
Water Required for Predampening	¾ - 1¾ quarts per 100 lbs
Dry Castable Requirement.	135 – 143 lbs./cu.ft
Erosion Resistance (ASTM C704)	Less than 12 cc loss (Typical: 7 - 9 cc loss)
Modulus of Rupture	
After Heating to 1500°F	1300-1700 lbs/sq.in.
After Heating to 2500°F	1400-1900 lbs/sq.in
Cold Crushing Strength	
After Heating to 1500°F	8500-13000 lbs/sq.in.
After Heating to 2500°F	9000-13000 lbs/sq.in
Linear Change, %	
After Heating to 1500°F	0.0 to -0.4
After Heating to 2500°F	0.0 to +0.7
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	46.3
SiO <sub>2</sub>	45.1
ZrO <sub>2</sub>	4.1
CaO	2.0
TiO <sub>2</sub>	1.3
Fe <sub>2</sub> O <sub>3</sub>	0.8
MgO	0.1
Alkalies	0.2

**SPARCON 30ZG** is available in 50# bags and various size 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.