

## SPARCON 30 ZP

**SPARCON 30 ZP** is a high strength, low-cement bonded refractory designed for installation by vibration casting, pump-casting or shotcreting. An addition of zircon has been added to this product to improve non-wetting characteristics where required.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
Dry Castable Requirement	147 -152 lbs./cu.ft.
Erosion Resistance (ASTM C704)	Less than 10 cc loss. (Typical: 6 – 8 cc loss)
Modulus of Rupture	
After Heating to 1500°F	1900-2400 lbs/sq.in.
After Heating to 2500°F	2300-2700 lbs/sq.in.
Cold Crushing Strength	
After Heating to 1500°F	12000-16000 lbs/sq.in.
After Heating to 2500°F	12000-16000 lbs/sq.in.
Linear Change, %	
After Heating to 1500°F	0.0 to -0.4
After Heating to 2500°F	+0.1 to -0.3
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	49.9
SiO <sub>2</sub>	41.8
CaO	1.4
TiO <sub>2</sub>	1.5
Fe <sub>2</sub> O <sub>3</sub>	0.8
MgO	0.1
Alkalies	0.2
ZrO <sub>2</sub>	4.3

**SPARCON 30 ZP** is available in 70/55# bags per pallet, or in various sized 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.