

## SPARCON ZP

**SPARCON ZP** is a high strength, low-cement bonded refractory containing zircon for increased resistance to build-up in cyclones and precalciners in cement plants.

**SPARCON ZP** is for designed for installation by vibration casting, pumpcasting or shotcreting.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Dry Castable Requirement	155 – 160 lbs./cu.ft.
Erosion Resistance (ASTM C704)	Less than 10 cc loss. (Typical: 5 - 8 cc loss)
Modulus of Rupture	
After Heating to 1500°F	2100-2500 lbs/sq.in.
After Heating to 2500°F	2400-2800 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	0.0 to -0.4
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	55.6
SiO <sub>2</sub>	36.4
CaO	1.6
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>	3.7

**SPARCON ZP** 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.