

## SPARCON 32P

**SPARCON-32P** is a 3200°F, low cement castable that provides maximum resistance to abrasion and mechanical abuse. **SPARCON-32P** may be installed by vibration casting, pump casting and wet shotcreting.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Mix Water Required: Vibrating (% by Weight) : Pumping	4.0 – 5.0 5.0 – 6.0
Bulk Density: 230°F 1500°F	173 lbs/cu.ft 170 lbs/cu.ft
Modulus of Rupture After Heating to 1500°F After Heating to 2500°F	2200 -3200 lbs/sq.in 2000 -3000 lbs/sq.in
Cold Crushing Strength After Heating to 1500°F After Heating to 2500°F	16000-22000 lbs/sq.in 14000-20000 lbs/sq.in
Linear Change, % After Heating to 1500°F After Heating to 2500°F	-0.1 to -0.4 0.0 to -0.3
Erosion Resistance (ASTM C704) After Heating to 1500°F	Less than 6 cc loss (Typical Loss: 3 - 5cc)
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	74.1
SiO <sub>2</sub>	20.0
CaO	1.8
TiO <sub>2</sub>	2.3
Fe <sub>2</sub> O <sub>3</sub>	1.1
MgO	0.2
Alkalies	0.5

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

**NOTE: CASTABLE MUST BE STORED IN 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.