

## SPARCON 32-TR

**SPARCON 32-TR** a high purity, low moisture, low-cement bonded castable that can be applied by trowelling or vibration casting.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Mix Water Required (% by weight)	Vibration 5.0 – 5.50% Trowel 5.25 – 5.75%
Bulk Density (at 230°F)	165-170 lbs./cu.ft
Modulus of Rupture	
After Heating to 500°F	2000-2500 lbs/sq.in
After Heating to 1500°F	1800-2300 lbs/sq.in
Cold Crushing Strength	
After Heating to 500°F	12000-16000 lbs/sq.in
After Heating to 1500°F	12000-16000 lbs/sq.in
Linear Change, %	
After Heating to 500°F	0.0 to -0.2
After Heating to 1500°F	0.0 to -0.3
Erosion Resistance (ASTM C704)	
After Heating to 500°F	5.0 to 7.0 cc
After Heating to 1500°F	4.0 to 6.0 cc
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	68.0
SiO <sub>2</sub>	16.0
CaO	1.0
TiO <sub>2</sub>	2.1
Fe <sub>2</sub> O <sub>3</sub>	1.2
MgO	0.1
SiC	11.0
Alkalies	0.3

**SPARCON 32-TR** available in 50# bags or 1000#, 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.