

SPARCON 32-80

SPARCON 32-80 is a 3200°F high strength castable that provides maximum abrasion resistance and excellent strengths. **SPARCON 32-80** may be vibration cast, or installed by pump and wet shotcrete methods.

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Mix Water Required: (% by Weight)	Vibrating: 4.0 – 4.5 Pumping: 5.0 – 6.0
Bulk Density: 230°F : 1700°F	180 lbs/cu.ft 177 lbs/cu.ft
Modulus of Rupture	
After Heating to 1700°F	2500 -3500 lbs/sq.in
After Heating to 2500°F	2000 -3000 lbs/sq.in
Cold Crushing Strength	
After Heating to 1700°F	18000-23000 lbs/sq.in
After Heating to 2500°F	16000-21000 lbs/sq.in
Linear Change, %	
After Heating to 1700°F	-0.1 to -0.4
After Heating to 2500°F	0.0 to -0.3
Erosion Resistance (ASTM C704)	
After Heating to 1500°F	Less than 4 cc (Typical Loss: <3 cc)
Typical Chemical Analysis, %	
Al ₂ O ₃	81.1
SiO ₂	13.3
CaO	1.8
TiO ₂	2.6
Fe ₂ O ₃	0.8
MgO	0.1
Alkalies	0.3

SPARCON 32-80 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 testing unless otherwise noted. Results may vary subject to normal variations in manufacturing, testing, and installation procedures in the field.