

SPARCON 32 HP

SPARCON 32 HP is a high purity, low moisture, low-cement bonded, castable with excellent strengths and abrasion resistance. **SPARCON 32 HP** may be applied by hand packing only.

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Mix Water Required (% by weight)	5.5 – 6.0%
Bulk Density (1500F)	160 - 165 lbs./cu.ft
Modulus of Rupture	
After Heating to 1500°F	2500-3200 lbs/sq.in
After Heating to 2250°F	2800-4000 lbs/sq.in
Cold Crushing Strength	
After Heating to 1500°F	14000-19000 lbs/sq.in
After Heating to 2250°F	14000-20000 lbs/sq.in
Linear Change, %	
After Heating to 1500°F	0.0 to -0.3
After Heating to 2250°F	0.0 to -0.5
Erosion Resistance (ASTM C704)	Less than 7 cc loss. (Typical: 4 – 6 cc loss)
Typical Chemical Analysis, %	
Al ₂ O ₃	68.0
SiO ₂	27.3
CaO	1.0
TiO ₂	2.1
Fe ₂ O ₃	1.2
MgO	0.1
Alkalies	0.3

SPARCON 32 HP is available in 55# 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.