

## SPARSHOT FS-HP

**SPARSHOT FS-HP** is a high purity fused silica, two component castable that includes a fused silica based dry mix and a separate liquid binder added at the mixer. **SPARSHOT FS-HP** can be applied by handpacking in roof sections and crowns.

### PHYSICAL PROPERTIES

Maximum Service Temperature	2900°F
Dry Castable Requirement	110 -113 lbs./cu.ft.
Liquid Binder Required:	12.5% by weight
Mix Water Required:	.25 to .75% by Weight
Modulus of Rupture	
After Heating to 1500°F	500 – 700 lbs/sq.in
Cold Crushing Strength	
After Heating to 1500°F	2500 – 4000 lbs/sq.in
Linear Change, %	
After Heating to 1500°F	0.0 to -0.2
Apparent Porosity, %	
After Heating to 1500°F	19 - 20
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	0.2
SiO <sub>2</sub>	99.6
CaO	0.0
TiO <sub>2</sub>	0.0
Fe <sub>2</sub> O <sub>3</sub>	0.0
MgO	0.2

**SPARSHOT FS-HP** is available in 50# bags, 1000#, 1500# and 2000# 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.