

## SPARFIRE 30 HP

**SPARFIRE 30 HP** is a high strength, low cement, castable designed to be installed by hand packing or ramming. It offers excellent resistance to erosion, chemical attack and mechanical abuse. It can be used in a wide variety of applications in power generation, incineration, cement, lime, heat treating, and other industries. Additionally, this product was designed for an accelerated dryout schedule.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
Dry Castable Requirement	140 -150 lbs./cu.ft.
Mix Water Required (% by weight)	5.50 to 6.50%
Modulus of Rupture After Heating to 1500°F	1000-1600 lbs/sq.in
Cold Crushing Strength After Heating to 1500°F	8000-13000 lbs/sq.in
Linear Change, % After Heating to 1500°F	0.0 to -0.4
Erosion Resistance (ASTM C704) After Heating to 1500°F	Less than 13 cc loss
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	49.3
SiO <sub>2</sub>	41.3
CaO	2.1
TiO <sub>2</sub>	1.4
Fe <sub>2</sub> O <sub>3</sub>	0.8
MgO	0.1
Alkalies	0.2

The above are average results and do not constitute a specification.

**SPARFIRE 30 HP** is available in 55 lb. bags and various sized 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.