

SPARFIRE 31P

SPARFIRE 31P is a high strength, low-cement bonded refractory designed for installation by vibration casting, pumpcasting or shotcreting. This product is designed for an accelerated dry out schedule.

PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Dry Castable Requirement	152 – 158 lbs./cu.ft.
Erosion Resistance (ASTM C704)	Less than 13 cc loss. (Typical: 7 - 9 cc loss)
Modulus of Rupture After Heating to 1500°F	1200-1900 lbs/sq.in.
Cold Crushing Strength After Heating to 1500°F	9000-14000 lbs/sq.in.
Linear Change, % After Heating to 1500°F	0.0 to -0.4
Typical Chemical Analysis, %	
Al ₂ O ₃	55.1
SiO ₂	40.7
CaO	1.1
TiO ₂	1.6
Fe ₂ O ₃	0.9
MgO	0.2
Alkalies	0.4

SPARFIRE 31P is available in 55[#] bags and bulk bags, palletized and shrink-wrapped.

NOTE: CASTABLES MUST BE STORED IN A 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.