

SPARFIRE 28P

SPARFIRE 28P is a high strength, very low-cement bonded refractory designed for installation by vibration casting, pumpcasting or shotcreting. This product virtually eliminates the need for long (24 hour) curing time in the unit. Additionally this product was designed for an accelerated dry out schedule.

PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F
Dry Castable Requirement	143 -150 lbs./cu.ft.
Erosion Resistance (ASTM C704)	Less than 13 cc loss. (Typical: 6 – 10 cc loss)
Modulus of Rupture	
After Heating to 1500°F	1000-1500 lbs/sq.in.
After Heating to 2500°F	1200-1800 lbs/sq.in.
Cold Crushing Strength	
After Heating to 1500°F	8000-13000 lbs/sq.in.
After Heating to 2500°F	8000-13000 lbs/sq.in.
Linear Change, %	
After Heating to 1500°F	0.0 to -0.4
After Heating to 2500°F	+0.1 to -0.4
Typical Chemical Analysis, %	
Al ₂ O ₃	43.4
SiO ₂	52.6
CaO	1.0
TiO ₂	1.6
Fe ₂ O ₃	1.0
MgO	0.2
Alkalies	0.2

Note: Properties above are typical of installations where minimal curing times and accelerated heating rates are used. Longer curing times and controlled heating rates can result in increased strengths. Contact SPAR for more information.

SPARFIRE 28P is available in 55# bags, 1500#, 2000#, and 3000# 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.