

SPARFIRE 30F

SPARFIRE 30F is a high strength, very low-cement bonded refractory that has enhanced flow characteristics. It is not a true free flow product, but is designed for easy installation with minimal vibration. It can be cast, pumpcast or shotcreted. This product virtually eliminates the need for long (24 hour) curing time in the unit. Additionally, this product was designed for an accelerated dryout schedule.

PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
Mix Water Required (% by weight)	6.25 to 6.75%
Bulk Density (lbs/cu ft) After Heating to 1500°F	145 - 149
Erosion Resistance (ASTM C704)	14 cc Max (8 – 12 typical)
Modulus of Rupture (lbs/sq.in.) After Heating to 1500°F	1000 - 1600
Cold Crushing Strength (lbs/sq.in.) After Heating to 1500°F	7000 - 12000
Linear Change, % After Heating to 1500°F	0.0 to -0.4
Typical Chemical Analysis, %	
Al ₂ O ₃	51.3
SiO ₂	44.9
CaO	1.0
TiO ₂	1.5
Fe ₂ O ₃	0.8
MgO	0.2
Alkalies	0.3

SPARFIRE 30F is available in 50# bags, 100# 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.