

SPARFIRE 30G

SPARFIRE 30G is a high strength, low-cement bonded refractory designed for **dry gunning only**. It is a true low cement product and is very resistant to mechanical abuse and chemical attack. Its uses include power generation, incineration, cement, lime, heat treating, and other industries. 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
Water Required for Predampening	¾ - 1¾ quarts per 100 lbs.
Erosion Resistance (ASTM C704)	Less than 12 cc loss (Typical: 7 - 9 cc loss)
Bulk Density	137 – 142 lbs./cu.ft.
Modulus of Rupture	
After Heating to 1500°F	1500-2000 lbs/sq.in.
After Heating to 2500°F	2000-2500 lbs/sq.in.
Cold Crushing Strength	
After Heating to 1500°F	8500-13000 lbs/sq.in.
After Heating to 2500°F	9000-13000 lbs/sq.in.
Linear Change, %	
After Heating to 1500°F	0.0 to -0.4
After Heating to 2500°F	+0.3 to +0.7
Typical Chemical Analysis, %	
Al ₂ O ₃	47.7
SiO ₂	45.1
CaO	2.0
TiO ₂	1.3
Fe ₂ O ₃	0.8
MgO	0.1
Alkalies	0.2
Other	2.8

SPARFIRE 30G 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.