

SPARFIRE 32-80

SPARFIRE 32-80 is a 3200°F is a high strength, 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 dryout schedule.

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Mix Water Required: (% by Weight)	Vibrating: 4.0 – 4.5 Pumping: 5.0 – 6.0
Bulk Density: 230°F	176 lbs/cu.ft
: 1500°F	170 lbs/cu.ft
Modulus of Rupture	
After Heating to 1500°F	2000 -3000 lbs/sq.in
Cold Crushing Strength	
After Heating to 1500°F	10000-16000 lbs/sq.in
Linear Change, %	
After Heating to 1500°F	-0.1 to -0.4
Erosion Resistance (ASTM C704)	
After Heating to 1500°F	Less than 7 cc (Typical Loss: 3 to 5 cc)
Typical Chemical Analysis, %	
Al ₂ O ₃	81.1
SiO ₂	13.3
CaO	1.8
TiO ₂	2.6
Fe ₂ O ₃	0.8
MgO	0.1
Alkalies	0.3

SPARFIRE 32-80 is available in 50# bags, 1500#, 2000#, and 3000# 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.