

SPARFIRE 32C

SPARFIRE 32 C 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 dryout schedule..

PHYSICAL PROPERTIES

Maximum Service Temperature		3200°F
Dry Castable Requirement		170 lbs./cu.ft.
Mix Water Required (% by weight)	Vibration	4.2 - 5.0
Bulk Density (at 230°F)		165-170 lbs./cu.ft
Modulus of Rupture		
After Drying at 230°F		1600-2200 lbs/sq.in.
After Heating to 1500°F		2500-3200 lbs/sq.in
After Heating to 2250°F		2800-4000 lbs/sq.in
Cold Crushing Strength		
After Drying at 230°F		12000-18000 lbs/sq.in.
After Heating to 1500°F		14000-19000 lbs/sq.in
After Heating to 2250°F		14000-20000 lbs/sq.in
Linear Change, %		
After Heating to 1500°F		0.0 to -0.2
After Heating to 2250°F		0.0 to -0.5
Erosion Resistance (ASTM C704)		Less than 7 cc loss. (Typical: 4 – 6 cc loss)
Typical Chemical Analysis, %		
Al ₂ O ₃		68.0
SiO ₂		27.3
CaO		1.0
TiO ₂		2.1
Fe ₂ O ₃		1.2
MgO		0.1
Alkalies		0.3

SPARFIRE 32C is available in 50# bags or 1000#, 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 tests unless otherwise noted. Results may vary subject to variations in manufacturing, testing, and installation procedures in the field.