

LOW CEMENT SPECIALTIES

PRODUCT DATA

SPARFIRE FS60

SPARFIRE FS60 is a fused silica, low-cement bonded refractory designed for installation by vibration casting, pumpcasting or shotcreting. It can be used in a wide variety of applications where severe thermal cycling is a problem. 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 (cyclic conditions)	2000°F	
	<u>Data shown at pumpcast consistency</u>	
	<u>4 hours</u>	<u>24 hours</u>
Elapsed time between casting and initial heat up		
Bulk Density(lbs/cu ft)		
After Heating to 1500°F	127 – 132 pcf	127 – 132 pcf
Erosion Resistance (ASTM C704)	Less than 14 cc loss (10 – 13 cc typical)	Less than 14 cc loss (7 – 10 cc typical)
Modulus of Rupture (lbs/sq.in.)		
After Heating to 1500°F	900 – 1400	1000 - 1500
Cold Crushing Strength (lbs/sq.in.)		
After Heating to 1500°F	6500-10000	8000 - 12000
Linear Change, %		
After Heating to 1500°F	0.0 to -0.3	0.0 to -0.3
Typical Chemical Analysis, %		
Al ₂ O ₃	21.8	
SiO ₂	76.1	
CaO	1.0	
ZrO ₂	0.7	
Fe ₂ O ₃	0.1	
MgO	0.1	
Alkalies	0.2	

SPARFIRE FS60 is available in 50# 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.