

SPARFIRE LC 32 FF AL

SPARFIRE LC 32FF 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

(properties obtained on samples demolded after 4 hours and fired to 1500F @ 150F/hour with 5 hour soak)

Maximum Service Temperature	3200°F	
	<u>Vibrate Cast</u>	<u>Pump Cast</u>
Mix Water Required (% by weight)	4.8 – 5.2	5.0 – 5.8
Bulk Density(lbs/cu ft)		
After Heating to 1500°F	165-170	160-165
Erosion Resistance (ASTM C704)	10 cc Max	13 cc Max
Modulus of Rupture (lbs/sq.in.)		
After Heating to 1500°F	1600 – 2300	1200 - 1600
Cold Crushing Strength (lbs/sq.in.)		
After Heating to 1500°F	12000-16000	9000 - 14000
Linear Change, %		
After Heating to 1500°F	0.0 to -0.4	0.0 to -0.4
Typical Chemical Analysis, %		
Al ₂ O ₃	69.0	
SiO ₂	26.9	
CaO	1.0	
TiO ₂	1.7	
Fe ₂ O ₃	1.0	
MgO	0.1	
Alkalies	0.3	

SPARFIRE LC 32FF 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.