

SPARFIRE LC 32

SPARFIRE LC 32 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 |
| Mix Water Required (% by weight) | <u>Vibrate Cast</u> 4.8 – 5.2 |
| Bulk Density(lbs/cu ft) | |
| After Heating to 1500°F | 165-170 |
| Erosion Resistance (ASTM C704) | 10 cc Max |
| Modulus of Rupture (lbs/sq.in.) | |
| After Heating to 1500°F | 1600 – 2300 |
| Cold Crushing Strength (lbs/sq.in.) | |
| After Heating to 1500°F | 12000-16000 |
| Linear Change, % | |
| After Heating to 1500°F | 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 32 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.