

SPARCON SC 70 FF

SPARCON SC 70 FF is a silicon-carbide, low-cement bonded, specialty refractory that may be installed by casting or pumping. It requires little to no vibration to flow and is designed to be installed in spaces ¼" or larger.

PHYSICAL PROPERTIES

| | |
|---|--------------------------------------|
| Maximum Service Temperature | 2600°F |
| Mix Water Required (% by weight) | 8 - 8.5% |
| Bulk Density, lbs/ft ³ After Heating to 1500°F | 155 |
| Modulus of Rupture, lbs/sq.in. After Heating to 1500°F | 3500-4500 |
| Cold Crushing Strength, lbs/sq.in. After Heating to 1500°F | 11000-15000 |
| Abrasion Resistance (ASTM C-704) | 9cc Max (Typical: 6 to 8 cc loss) |
| Linear Change, % After Heating to 1500°F | -0.1 to -0.4 |
| Thermal Conductivity: (BTU/ft ² /Hr/°F/in.) | |
| At 1000°F | 68 |
| At 1500°F | 75 |
| Typical Chemical Analysis, % | |
| SiC | 69.6 |
| Al ₂ O ₃ | 19.4 |
| SiO ₂ | 8.9 |
| CaO | 1.7 |
| TiO ₂ | 0.0 |
| Fe ₂ O ₃ | 0.1 |
| Alkalies | 0.2 |

SPARCON SC 70 FF 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 testing unless otherwise noted. Results may vary subject to normal variations in manufacturing, testing, and installation procedures in the field.