

SPARCON 70SC/P

SPARCON 70SC/P is a silicon-carbide, low-cement bonded, specialty refractory that may be installed by vibration casting, pumping, or applied as a “shotcrete” specialty.

PHYSICAL PROPERTIES

| | | |
|--|--|------------------------------|
| Maximum Service Temperature | 2600°F | |
| Mix Water Required (% by weight) | <u>Vibrate cast</u> 4.0 to 4.5 | <u>Pumpcast</u> 4.5 – 5.0 |
| Bulk Density, lbs/ft ³ | | |
| After Heating to 1500°F | 165 | 163 |
| Modulus of Rupture, lbs/sq.in. | | |
| After Heating to 1500°F | 4500-5500 | 4000-5000 |
| Cold Crushing Strength, lbs/sq.in. | | |
| After Heating to 1500°F | 15000 - 20000 | |
| Abrasion Resistance (ASTM C-704) | 8cc Max (Typical: 3.5 to 4 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 70SC/P 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.