

## SPARCON 90

**SPARCON 90** is a high alumina, low-cement bonded refractory designed for installation by vibration casting.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3050°F
Dry Castable Requirement	177 – 183 lbs./cu.ft.
Modulus of Rupture	
After Heating to 1500°F	1000-1400 lbs/sq.in.
After Heating to 2300°F	1700-2300 lbs/sq.in.
Cold Crushing Strength	
After Heating to 1500°F	8000-12000 lbs/sq.in.
After Heating to 2300°F	10000-15000 lbs/sq.in.
Linear Change, %	
After Heating to 1500°F	0.0 to -0.4
After Heating to 2300°F	0.0 to -0.4.
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	90.0
SiO <sub>2</sub>	8.3
CaO	1.3
Fe <sub>2</sub> O <sub>3</sub>	0.1
Alkalies	0.2

**SPARCON 90** is available in 55<sup>#</sup> bags and 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.