

## SPARKLEEN 60 AL RF

### SPARKLEEN 60 AL RF

is a high purity, low cement, vibrating castable. This specially designed product is contains Andalusite to aid in thermal shock resistance. This product is also non-wetting.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Dry Castable Requirement	155-162 lbs./cu.ft.
Mix Water Required: Vibrating	4.0-5.5
Bulk Density after 230 F	157-165 lbs./cu.ft
Modulus of rupture	
After Drying at 230°F	1600-2200 lbs/sq.in.
After Heating to 1500°F	2200-3300 lbs/sq.in
After Heating to 2250°F	2200-3900 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	10000-14000 lbs/sq.in.
After Heating to 1500°F	11000-16000 lbs/sq.in
After Heating to 2250°F	11000-17000 lbs/sq.in
Linear Change, %	
After Drying at 230°F	0.0 to -0.4
After Heating to 1500°F	0.0 to -0.4
Erosion Resistance (ASTM C704)	Less than 8 cc loss. (Typical: 4 – 6 cc loss)
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	61.0
SiO <sub>2</sub>	35.3
CaO	1.1
TiO <sub>2</sub>	1.3
Fe <sub>2</sub> O <sub>3</sub>	0.9
MgO	0.1
Alkalies	0.3

**SPARKLEEN 60 AL RF** is available in 55# bags and various sized 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.