

## SPARFIRE 25 C AL FF

**SPARFIRE 25 C AL FF** is a pumpable, high strength, hydraulic setting refractory castable, designed for use in aluminum applications. It has good resistance to thermal shock, and can withstand heavy loads and mechanical abuse. RAPID fire technology

### PHYSICAL PROPERTIES

Maximum Service Temperature	2500°F
Dry Castable Requirement	118-125 lbs./cu.ft.
Approximate Water for Pumping	14-16 % by weight.
Bulk Density after 230°F	124-133 lbs./cu.ft
Modulus of rupture	
After Drying at 230°F	200-600 lbs/sq.in.
After Heating to 1500°F	200-500 lbs/sq.in
After Heating to 2250°F	250-700 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	1500-3000 lbs/sq.in.
After Heating to 1500°F	1500-2500 lbs/sq.in
After Heating to 2250°F	1100-2500 lbs/sq.in
After Heating to 2370°F	1500-4000 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
After Heating to 2250°F	-0.1 to -0.4
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	45.6
SiO <sub>2</sub>	41.6
CaO	9.5
Fe <sub>2</sub> O <sub>3</sub>	2.5
TiO <sub>2</sub>	2.0
MgO	0.4
Alkalis	0.2

**SPARFIRE 25 C AL FF** is available in 55# bags and various size bulk bags, palletized and shrink-wrapped.

### NOTE: CASTABLE MUST BE STORED IN 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.