

## SPARCAST LC 32B AL FF

**SPARCAST LC 32B AL FF** is a high purity, low moisture, low cement castable designed for pumping, that exhibits non-wetting properties in aluminum applications.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Dry Castable Requirement	167 - 173 lbs./cu.ft.
Mix Water Required: (% by Weight)	6.25 – 7.00
Bulk Density after 230°F	173 - 179 lbs./cu.ft
Modulus of Rupture	
After Drying at 230°F	2000-2800 lbs/sq.in.
After Heating to 1500°F	2000-2700 lbs/sq.in
After Heating to 2250°F	2150-3000 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	10000-16000 lbs/sq.in.
After Heating to 1500°F	10000-16000 lbs/sq.in
After Heating to 2250°F	10000-16000 lbs/sq.in
Erosion Resistance (ASTM C704)	Less than 10 cc loss. (Typical: 3 – 5 cc loss)
Linear Change, %	
After Drying at 230°F	0.0 to -0.5
After Heating to 1500°F	0.0 to -0.5
After Heating to 2250°F	0.0 to -0.5
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	78.2
SiO <sub>2</sub>	15.9
CaO	1.6
TiO <sub>2</sub>	2.7
Fe <sub>2</sub> O <sub>3</sub>	1.1
MgO	0.2
Alkalies	0.3

**SPARCAST LC 32B AL FF** is available in 55<sup>#</sup> 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.