

## SPARCAST LW 25 AL

**SPARCAST LW 25 AL** is a low iron insulating castable with high strength and good thermal conductivity.

### PHYSICAL PROPERTIES

Maximum Service Temperature	2500°F
Dry Castable Requirement	83 - 93 lbs./cu.ft.
Approximate Water for Pouring	3.0 - 3.5 gal./100 lbs.
Bulk Density after 220°F	93 - 103 lbs./cu.ft.
Modulus of rupture	
After Drying at 220°F	100-250 lbs/sq.in.
After Heating to 1500°F	100-250 lbs/sq.in.
After Heating to 2300°F	150-300 lbs/sq.in.
Cold Crushing Strength	
After Drying at 220°F	400-900 lbs/sq.in.
After Heating to 1500°F	400-900 lbs/sq.in.
After Heating to 2300°F	500-1200 lbs/sq.in.
Linear Change, %	
After Drying at 220°F	-0.1 to -0.5
After Heating to 1500°F	-0.1 to -0.5
After Heating to 2300°F	-0.3 to -1.1
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	45.8
SiO <sub>2</sub>	38.0
CaO	11.9
Fe <sub>2</sub> O <sub>3</sub>	1.2
TiO <sub>2</sub>	1.8
MgO	0.3
Alkalies	1.1

**SPARCAST LW 25 AL** 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.