

## SPARCAST 28

**SPARCAST 28** is a high strength, general duty refractory castable. It can be installed by gunning or casting.

### PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F
Dry Castable Requirement	127 - 133 lbs./cu.ft.
Typical Mix Water Required	1.25 – 1.50 gal./110 lbs.
Bulk Density (at 230°F)	130-139 lbs./cu.ft
Modulus of Rupture	
After Drying at 230°F	300-600 lbs/sq.in.
After Heating to 1500°F	300-600 lbs/sq.in
After Heating to 2250°F	300-700 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	2000-4500 lbs/sq.in.
After Heating to 1500°F	2000-4500 lbs/sq.in
After Heating to 2250°F	2000-6000 lbs/sq.in
Linear Change, %	
After Drying at 230°F	0.0 to -0.4
After Heating to 1500°F	0.0 to -0.5
After Heating to 2250°F	0.0 to -0.6
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	48.3
SiO <sub>2</sub>	42.8
CaO	5.7
TiO <sub>2</sub>	1.9
Fe <sub>2</sub> O <sub>3</sub>	1.0
MgO	0.1
Alkalies	0.2

**SPARCAST 28** is available in 55<sup>#</sup> bags and 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.