

**SPARCAST NC AZS P**

**SPARCAST NC AZS P** is a NO-CEMENT alumina-zirconia-silica based castable, designed to be installed by vibration casting, pumpcasting or shotcreting. It is very resistant to alkali and acid attack.

**PHYSICAL PROPERTIES (@Pumpable Consistency)**

Maximum Service Temperature	2800°F
Dry Castable Requirement	180 - 185 lbs./cu.ft.
Liquid Binder Required: for pumping	9 - 11 % by weight
Mix Water Required	0.3 to 1.0% by Weight
Cold Crushing Strength	
After Heating to 1500°F	7000 – 10000 lbs/sq.in
Modulous Of Rupture	1500-3000 lbs/sq.in
After Heating to 1500°F	
Linear Change, %	
After Heating to 1500°F	+0.1 to -0.3
Abrasion Loss	6.0-8.0 cc
After Heating to 1500°F	
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	42.4
SiO <sub>2</sub>	22.5
CaO	0.1
TiO <sub>2</sub>	0.4
Fe <sub>2</sub> O <sub>3</sub>	0.3
MgO	0.1
ZrO <sub>2</sub>	28.2
SiC	4.8
Na <sub>2</sub> O	1.2

**SPARCAST NC AZS P** is available in 55# bags, and various sized 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.