

LOW CEMENT SPECIALTIES

PRODUCT DATA

SPARFIRE AZS-20P

SPARFIRE AZS-20P is an alumina-zirconia-silica, low-cement castable designed to be installed by vibration casting, pumpcasting and shotcreting. It is resistant to alkali and acid attack. Data shown below is at pumpable consistency.

Maximum Service Temperature	2800°F
Dry Castable Requirement	177 - 185 lbs./cu.ft.
Water Requirement pumpable consistency	5.00 – 6.00%

Properties shown below are at pumpable consistency

Modulus of Rupture After Heating to 1500°F	1300 -2100 lbs/sq.in
Cold Crushing Strength After Heating to 1500°F	10000-14000 lbs/sq.in
Linear Change, % After Heating to 1500°F	+0.1 to -0.4
Erosion Resistance (ASTM C704) After Heating to 1500°F	less than 9 cc loss (Typical: 4.5 – 7 cc loss)
Typical Chemical Analysis, %	
Al ₂ O ₃	50.5
SiO ₂	22.1
ZrO ₂	19.2
SiC	4.7
CaO	1.0
TiO ₂	0.9
Fe ₂ O ₃	0.5
MgO	0.1
Alkalies	1.0

SPARCON AZS-20P is available in 55# bags and bulk bags palletized and shrinkwrapped.

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.