

SPARCAST NC 31 ZP

SPARCAST NC 31 ZP is a high purity, mullite based, two component product designed for pumping or casting applications. This product utilizes a liquid colloidal silica binder in lieu of water, which allows for a shorter dry out schedule than cement containing products, while still displaying comparable installation characteristics and mechanical properties. The zircon addition makes this product very resistant to slag buildup.

PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Dry Castable Requirement	150 - 155 lbs./cu.ft.
Liquid Binder Required: for pumping	9 - 11 % by weight
Mix Water Required	0.3 to 1.0% by Weight
Modulus of Rupture	
After Heating to 1500°F	1000 – 2000 lbs/sq.in
Cold Crushing Strength	
After Heating to 1500°F	7000 – 12000 lbs/sq.in
Linear Change, %	
After Heating to 1500°F	0.0 to -0.3
Typical Chemical Analysis, %	
Al ₂ O ₃	54.8
SiO ₂	37.3
CaO	0.0
TiO ₂	1.3
Fe ₂ O ₃	0.9
MgO	0.1
ZrO ₂	5.0
Alkalies	0.3

SPARCAST NC 31 ZP 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.