

SPARCON 30

SPARCON 30 is a high strength, low cement, castable designed to be installed by vibration casting. It offers excellent resistance to erosion, chemical attack and mechanical abuse. It can be used in a wide variety of applications in power generation, incineration, cement, lime, heat treating, and other industries.

PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
Dry Castable Requirement	145 -150 lbs./cu.ft.
Modulus of Rupture	
After Heating to 1500°F	1500-2500 lbs/sq.in
After Heating to 2500°F	1800-2600 lbs/sq.in
Cold Crushing Strength	
After Heating to 1500°F	10000-14000 lbs/sq.in
After Heating to 2500°F	10000-15000 lbs/sq.in
Linear Change, %	
After Heating to 1500°F	0.0 to -0.4
After Heating to 2500°F	+0.3 to +0.7
Erosion Resistance (ASTM C704)	
After Heating to 1500°F	Less than 10 cc loss (Typical: 6 – 8 cc loss)
Typical Chemical Analysis, %	
Al ₂ O ₃	48.1
SiO ₂	47.6
CaO	1.7
TiO ₂	1.5
Fe ₂ O ₃	0.8
MgO	0.1
Alkalies	0.2

The above are average results and do not constitute a specification.

SPARCON 30 is available in 50# bags, 100# bags, 1500#, 2000#, and 3000# bulk bags palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE

Data shown are average results of standard ASTM testing unless otherwise noted. Results may vary subject to normal variations in manufacturing, testing, and installation procedures in the field.