

SPARCON 31C

SPARCON 31C is a high strength, coarse grain, low-cement bonded refractory designed for installation by vibration casting, pumpeasting or shotcreting.

PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Dry Castable Requirement	155 – 160 lbs./cu.ft.
Erosion Resistance (ASTM C704)	Less than 10 cc loss. (Typical: 5 - 7 cc loss)
Modulus of Rupture	
After Heating to 1500°F	2300-2700 lbs/sq.in.
After Heating to 2500°F	2400-2800 lbs/sq.in.
After Heating to 2910°F	2400-2800 lbs/sq.in.
Cold Crushing Strength	
After Heating to 1500°F	12000-16000 lbs/sq.in.
After Heating to 2500°F	12000-16000 lbs/sq.in.
After Heating to 2910°F	12000-16000 lbs/sq.in.
Linear Change, %	
After Heating to 1500°F	0.0 to -0.4
After Heating to 2500°F	0.0 to -0.4.
After Heating to 2910°F	0.0 to -0.4
Typical Chemical Analysis, %	
Al ₂ O ₃	57.9
SiO ₂	37.9
CaO	1.4
TiO ₂	1.6
Fe ₂ O ₃	0.9
MgO	0.1
Alkalies	0.2

SPARCON 31C is available in 50# bags, 100# bags, 1500#, 2000#, and 3000# bulk bags, palletized and shrink-wrapped.

NOTE: CASTABLES MUST BE STORED IN A 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.