

SPARCON 31G SSN

SPARCON 31G is a 60% alumina high strength, low-cement bonded refractory designed for dry gunning only. Is a true low cement product and is very resistant to mechanical abuse and chemical attack. It is used in the power generation, incineration, cement, lime, heat treating, and other industries.

PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Bulk Density	140 – 145 lbs./cu.ft.
Water Required for Predampening	¾ - 1¾ quarts per 100 lbs.
Modulus of Rupture After Heating to 1500°F	1500-2200 lbs/sq.in
Cold Crushing Strength After Heating to 1500°F	8500-14000 lbs/sq.in
Linear Change, % After Heating to 1500°F	-0.1 to - 0.4
Erosion Resistance (ASTM C704)	Less than 10 cc loss (Typical: 6 - 8 cc loss)
Typical Chemical Analysis, %	
Al ₂ O ₃	58.5
SiO ₂	35.9
CaO	2.2
TiO ₂	1.5
Fe ₂ O ₃	0.9
MgO	0.1
Alkalies	0.2

SPARCON 31G is available in 55# bags, 1500#, 2000#, and 3000# bulk bags, palletized and shrink-wrapped. This product contains stainless steel needles.

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.