

SPARCON 60-15P

SPARCON 60-15P is an alumina – silicon carbide, low-cement, specialty refractory that is designed to be installed by vibration casting, pumpcasting or shotcreting. It offers high strength and excellent abrasion resistance.

PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F (Oxidizing Conditions) 3000°F (Reducing Conditions)
Mix Water Required (pumpable consistency)	4.75 – 5.50%
Dry Castable Requirement	167 – 172 lbs/ft ³
Modulus of Rupture After Heating to 1500°F	1500-2500 lbs/sq.in
Cold Crushing Strength After Heating to 1500°F	10000-14000 lbs/sq.in
Abrasion Resistance (ASTM C-704)	Less than 10 cc. Loss (Typical 4 to 6 cc Loss)
Linear Change, % After Heating to 1500°F	0.0 to -0.4
Thermal Conductivity: (BTU/ft ² /Hr/°F/in.)	
At 500°F	19.0
At 1200°F	17.5
At 1800°F	17.2
Typical Chemical Analysis, %	
Al ₂ O ₃	62.6
SiO ₂	17.5
CaO	1.2
SiC	15.8
TiO ₂	1.6
Fe ₂ O ₃	0.8
Alkalies	0.3

SPARCON 60-15P is available in 55# 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.