

SPARCON 60-25

SPARCON 60-25 is an alumina – silicon carbide, low-cement, specialty refractory that is designed to be installed by vibration casting.. It offers high strength and excellent abrasion resistance.

PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F (Oxidizing Conditions) 3000°F (Reducing Conditions)
Mix Water Required	4.25 – 4.75% by weight
Dry castable Requirement	172 - 177 lbs/ft ³
Modulus of Rupture After Heating to 1500°F	1700 – 2700 lbs/sq.in
Cold Crushing Strength After Heating to 1500°F	12000-17000 lbs/sq.in
Abrasion Resistance (ASTM C-704)	Less than 9.0 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	23.0
At 1200°F	21.4
At 1800°F	21.1
Typical Chemical Analysis, %	
Al ₂ O ₃	61.0
SiO ₂	8.1
CaO	1.3
SiC	26.6
TiO ₂	1.9
Fe ₂ O ₃	0.8
Alkalies	0.3

SPARCON 60-25 is available in 50# bags or 1000#, 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.