

SPARCON SC60P-AL

SPARCON SC60P-AL is a silicon-carbide, low-cement bonded, specialty refractory that may be installed by vibration casting, pumping, or applied as a “shotcrete” specialty that exhibits non-wetting properties in aluminum applications.

PHYSICAL PROPERTIES

Maximum Service Temperature	2700°F	
Mix Water Required (% by weight)	<u>Vibrate cast</u>	<u>Pumpcast</u>
	4.5 – 5.5	5.5 – 6.5
Bulk Density, lbs/ft ³ (at 230cF)	165	160
Modulus of Rupture, psi		
After Heating to 1700°F	4000-6000	3000-5000
Cold Crushing Strength, psi		
After Heating to 1700°F	15000-20000 lbs/sq.in	
Abrasion Resistance (ASTM C-704)	Less than 7.0 cc.loss (Typical: 3 to 4 cc loss)	
Linear Change, %		
After Heating to 1700°F	-0.1 to -0.4	-0.1 to -0.4
Thermal Conductivity: (BTU/ft ² /Hr/ F/in.)		
At 1000°F	40	
At 1700°F	43	
Typical Chemical Analysis, %		
SiC	59.4	
Al ₂ O ₃	21.4	
SiO ₂	15.7	
CaO	2.0	
TiO ₂	0.4	
Fe ₂ O ₃	0.4	
Alkalies	0.3	

SPARCON SC60P-AL 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.