

SparkKleen 15P

SparkKleen 15 P 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. For use in high alkali environments like minerals processing feed ends and preheaters requiring build up resistance and volume stability.

PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F (Oxidizing Conditions) 3000°F (Reducing Conditions)
Mix Water Required (pumpable consistency)	4.75 – 5.5%
Dry Castable Requirement	172 lbs./cu.ft
Modulus of Rupture After Heating to 1500°F	2000-3000 lbs/sq.in
Cold Crushing Strength After Heating to 1500°F	16000-20000 lbs/sq.in
Abrasion Resistance	Typical 4-6 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

SparkKleen 15 is available in 55# bags and various size bulk bags, palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN 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.