

SPARLITE 3000

SPARLITE 3000 is a 3000° F, insulating castable. It is used primarily in soaking pit covers because of its light weight and excellent insulation characteristics. This product can be gunned, cast, or extruded. Caution must be exercised as material sets within 10 to 15 minutes (including mixing time).

PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
Dry Castable Requirement	100-105 lbs./cu.ft.
Mixing Water Required (cast)	25.0 to 32.0%
Cold Crushing Strength	
After Heating to 1500°F	1000 – 1300 psi
After Heating to 2000°F	1200 – 1400 psi
Linear Change, %	
After Heating to 1500°F	-0.0 to -0.3
After Heating to 2550°F	-0.0 to +0.3
Typical Chemical Analysis, %	
Al ₂ O ₃	58.10
SiO ₂	34.16
CaO	5.62
TiO ₂	0.63
Fe ₂ O ₃	0.97
MgO	0.12
Alkalies	0.40

The above are average results and do not constitute a specification.

SPARLITE 3000 is available in 50# bags or 1000# bulk bags, palletized and shrink-wrapped.

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.