

**SPARLITE 124**

**SPARLITE 124** is an insulating castable that offers a high strength- to-insulation ratio at approximately 60 lb/ft<sup>3</sup>. This product has low thermal conductivity and can be cast or gunned.

**PHYSICAL PROPERTIES**

Maximum Service Temperature	2400°F	
Water Required for Casting	8.5 to 10.0 qts / 50 lb. bag	
Water Required for Predampening:	1 to 3 qts / 50 lb. bag	
	<u>Cast</u>	<u>Gunite</u>
Bulk Density, lbs/ft <sup>3</sup>	60	70 - 80
Cold Crushing Strength, psi		
After Heating to 1500°F	350 - 650	500 - 800
After Heating to 2000°F	400 - 700	600 - 1000
Modulus of Rupture, psi		
After Heating to 1500°F	100 - 200	250 - 450
After Heating to 2000°F	100 - 300	350 - 550
Linear Change, %		
After Heating to 1500°F	-0.3 to -0.6	-0.4 to -0.8
After Heating to 2000°F	-0.4 to -0.8	-0.5 to -1.0
Thermal Conductivity:		
<u>Mean Temp:</u>	<u>BTU/ft<sup>2</sup>/Hr/°F/in</u>	
500°F	1.80	
1000°F	1.70	
1500°F	1.70	

Typical Chemical Analysis, %

Al <sub>2</sub> O <sub>3</sub>	28.3
SiO <sub>2</sub>	48.9
CaO	14.3
TiO <sub>2</sub>	1.3
Fe <sub>2</sub> O <sub>3</sub>	5.6
MgO	0.5
Alkalies	1.1

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

**SPARLITE 124** is available in 50# bags, 500#, 1000# and 1500# 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.