

## SPARLITE LH-14 PRODUCT INFORMATION

**SPARLITE LH-14** is a medium weight “Lumnite/Haydite” 1 to 4 ratio, insulating castable with low thermal conductivity that can be cast or gunned. This product is rated for 2200°F.

### PHYSICAL PROPERTIES

Maximum Service Temperature	2200°F	
Pre-Damp Water for Gunning	3/4 to 1 1/2 qts/50 lb. bag	
Cast Water, %	20.0 – 24.0%	
Bulk Density	<b><u>Cast</u></b>	<b><u>Gun</u></b>
After Heating to 1500°F	70 – 75 lbs/ft <sup>3</sup>	78 - 87 lbs/ft <sup>3</sup>
Cold Crushing Strength		
After Heating to 1500°F	1400 - 2000 psi	1600 - 2400 psi
Linear Change, %		
After Heating to 1500°F	-0.1 to -0.4%	-0.2 to -0.5%

Thermal Conductivity:

<b><u>Mean Temp:</u></b>	<b><u>BTU/ft<sup>2</sup>/Hr/°F/in</u></b>
500°F	2.40
1000°F	2.60
1500°F	2.75

Typical Chemical Analysis, %

Al <sub>2</sub> O <sub>3</sub>	30.2
SiO <sub>2</sub>	48.1
CaO	12.7
TiO <sub>2</sub>	0.8
Fe <sub>2</sub> O <sub>3</sub>	7.4
MgO	0.4
Alkalies	0.2

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

**SPARLITE LH-14** is available in 25# bags and 500#, bulk bags palletized and shrink-wrapped.

**NOTE: CASTABLE MUST BE STORED IN DRY PLACE**

RB-6-10 Rev. 1