

**SPARLITE LHV-124**

**SPARLITE LHV-124** is a pre-blended “Lumnite/Haydite/Vermiculite” type insulating castable that offers a high strength- to-insulation ratio of approximately 55 lb/ft<sup>3</sup>. This product has low thermal conductivity and can be cast or gunned.

**PHYSICAL PROPERTIES**

Maximum Service Temperature	2200°F	
Water Required for Casting	50 to 55%	
Water Required for Predampening:	1 to 3 qts / 50 lb. bag	
	<u>Cast</u>	<u>Gunite</u>
Bulk Density, lbs/ft <sup>3</sup>	53 - 58	60 - 70
Cold Crushing Strength, psi		
After Heating to 1500°F	300 - 450	400 - 700
Modulus of Rupture, psi		
After Heating to 1500°F	100 - 150	150 - 250
Linear Change, %		
After Heating to 1500°F	-0.3 to -0.7	-0.3 to -0.7
Thermal Conductivity:		
<u>Mean Temp:</u>	<u>BTU/ft<sup>2</sup>/Hr/°F/in</u>	
500°F	1.70	
1000°F	1.68	
1500°F	1.80	
Typical Chemical Analysis, %		
Al <sub>2</sub> O <sub>3</sub>	30.9	
SiO <sub>2</sub>	41.6	
CaO	16.9	
TiO <sub>2</sub>	1.4	
Fe <sub>2</sub> O <sub>3</sub>	5.7	
MgO	2.8	
Alkalies	0.6	

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

**SPARLITE LHV-124** is available in 50# bags, 1000#, 1500# and 2000# 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.