



PRODUCT DATA

Brand Name: LHV-124

Description: LHV-124 is a lumnite, haydite, and vermiculite (LHV) mix. It is a lightweight, 60 pcf insulating castable that can be installed by casting and pneumatic gunning methods.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

Maximum Service Temperature: 2000°F (1093°C)

Dry Material Required per Cubic Foot: 60 lbs. (approximate)

Typical Water Required for Mixing (by weight) :
Casting 44.0%

<u>Bulk Density (pcf)</u>	<u>Cast Data</u>		<u>Gunning Data</u>	
	After 1500°F (815°C)	60	(0.96 g/cm ³)	66

<u>Cold Crushing Strength (psi)</u>	<u>Cast Data</u>		<u>Gunning Data</u>	
After 1500°F (815°C)	400	(28 kg/cm ²)	440	(31 kg/cm ²)

<u>Permanent Linear Change (%)</u>	<u>Cast Data</u>	<u>Gunning Data</u>
After 1500°F (815°C)	-0.4 to 0.0	-0.4 to 0.0

<u>Thermal Conductivity (K Factor)</u>	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
Mean Temperature		
1000°F (540°C)	1.6	0.23
1500°F (815°C)	1.8	0.26
2000°F (1093°C)	2.2	0.32

<u>Typical Chemical Analysis (%)</u>	
(Calcined Basis)	
Alumina (Al ₂ O ₃)	31.6
Silica (SiO ₂)	46.9
Iron Oxide (Fe ₂ O ₃)	3.5
Titania (TiO ₂)	1.1
Lime (CaO)	14.3
Magnesia (MgO)	1.6
Alkalis (Na ₂ O+K ₂ O)	1.0

Standard Packaging: 50 lb bag. 50 bags per pallet. Bulk packaging available.
Brand Code: 0184

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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09/08/2020 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.

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