



# PRODUCT DATA

**Brand Name:** LHV-124

**Description:** Insulating Monolith Containing Lumnite, Haydite, and Vermiculite

**Maximum Service Temperature** ..... 2000°F

**Water Required for Mixing :**  
 Vibration Cast ..... 44.0 %

**Dry Material Required Per Cubic Foot** ..... 58 lbs

**Bulk Density (lb/ft<sup>3</sup>)**  
 1500 °F (815 °C) ..... 58 (928 kg/m<sup>3</sup>)

**Cold Crushing Strength (lb/in<sup>2</sup>)**  
 1000 °F (540 °C) ..... 200 to 500 (14 to 35 kg/cm<sup>2</sup>)  
 1500 °F (815 °C) ..... 200 to 500 (14 to 35 kg/cm<sup>2</sup>)  
 2000 °F (1095 °C) ..... 150 to 200 (10.5 to 14 kg/cm<sup>2</sup>)

**Modulus of Rupture (lb/in<sup>2</sup>)**  
 1000 °F (540 °C) ..... 100 to 130 (7 to 9 kg/cm<sup>2</sup>)  
 1500 °F (815 °C) ..... 95 to 120 (6 to 8 kg/cm<sup>2</sup>)  
 2000 °F (1095 °C) ..... 90 to 110 (6 to 8 kg/cm<sup>2</sup>)

**Permanent Linear Change (%)**  
 1500°F (815 °C) ..... -0.2 to -0.6  
 2000 °F (1095 °C) ..... -0.2 to -0.8

**Thermal Conductivity (K Factor)**

Mean Temperature:	BTU/ft <sup>2</sup> /Hr/°F/in.	W/mK
500°F (260°C)	1.70	0.25
1000°F (540°C)	1.65	0.24
1500°F (815°C)	1.80	0.26

**Typical Chemical Analysis (%)**

Al <sub>2</sub> O <sub>3</sub> .....	30.5 %
SiO <sub>2</sub> .....	40.7
Fe <sub>2</sub> O <sub>3</sub> .....	6.9
TiO <sub>2</sub> .....	0.2
CaO .....	15.7
MgO .....	5.0
Alkalies .....	1.0

**Standard Packaging:** 50 - 50 lb bags per pallet

The properties shown on this data sheet represent typical average results generated 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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