



# ABLE 1-2-4 LHV

ABLE 1-2-4 LHV is a blend of lumnite cement, with haydite and vermiculite aggregates. It provides an excellent insulation as back-up material or as a hot face lining when temperatures do not exceed 2000°F.

Maximum Recommended Use Limit .....	2000°F
Melting Point .....	2380°F
Bulk Density after drying lb./ft. <sup>3</sup> .....	64

<u>TEST TEMPERATURE</u>	<u>DENSITY LBS./CU.FT.</u>	<u>COLD CRUSH PSI</u>	<u>LINEAR CHANGE %</u>
200°F	64	200-290	0.0
1500°F	58	170-220	-0.2
2000°F	56	100-150	-0.3

## CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	25.20
SiO <sub>2</sub>	45.90
Fe <sub>2</sub> O <sub>3</sub>	8.45
TiO <sub>2</sub>	0.86
CaO	17.24
Ign. Loss	2.35

## THERMAL CONDUCTIVITY BTU/SQ.FT./HR./IN./°F

Mean Temp.	"K"
500°F	1.8
1000°F	2.1
1500°F	2.3

Water required for mixing (by weight) 40-45%  
 Material required per cubic foot 65 Lbs.

Packaged in 40 lb. bags, 54 bags per pallet - (2160 lbs.)