



ABLE 1-4

ABLE 1-4 is a blend of lumnite cement and a haydite aggregate. It is a low cost insulating material that provides insulation as a back-up material or as a hot face lining when temperatures do not exceed 2000°F and conditions are not severe.

Maximum Recommended Use Limit 2000°F
 Melting Point 2300°F

Bulk Density after drying lb./ft.³ 90

<u>TEST TEMPERATURE</u>	<u>DENSITY LBS./CU.FT.</u>	<u>MODULUS OF RUPTURE, PSI</u>	<u>COLD CRUSH PSI</u>	<u>LINEAR CHANGE %</u>
220°F	90	250-400	800-1000	0.0
1500°F	85	200-350	600-800	-0.2
2000°F	83	150-250	500-700	-0.3

<u>CHEMICAL ANALYSIS</u>		<u>THERMAL CONDUCTIVITY BTU/SQ.FT./HR./IN./°F</u>	
Al ₂ O ₃	24.02	Mean Temp.	"K"
SiO ₂	53.98	500°F	3.51
Fe ₂ O ₃	7.84	1000°F	3.48
TiO ₂	0.28	1500°F	3.99
CAO	11.91	2000°F	4.52
Ign. Loss	1.97		

Water required for mixing (by weight) 20-25%
 Material required per cubic foot 90-95

Packaged in 50 lb. bags, 48 bags per pallet - (2400 lbs.)