RENO REFRACTORIES, INC

Reno Lite LHV 124

TECHNICAL DATA SHEET

Reno Lite LHV 124 is a manufactured version of the "Lumnite-Haydite-Vermiculite" insulating refractory castable designed that offers a high strength to insulation ratio with an installed density of approximately 55 lb/ft^2. **Reno Lite LVH 124** has a low thermal conductivity and can be hand packed, cast or gunned.

Service Temperature:	2200°F/1205°C	Wt. Required for Estimating:	55 lbs/ft^3
Liquid Type:	Water	Storage Life:	6 months
Addition Quantity:	Cast: 50 to 55% by weight Gun: Adj as needed at nozzle	Required : Pre damp water:	1 - 3 qts / 50 lb bag

TYPICAL CHEMICAL ANALYSIS(% Calcined Basis)

Al_2O_3	SiO_2	Fe_2O_3	MgO	TiO_2	CaO	Alkalis	Other
30.9	41.6	5.7	2.8	1.4	16.9	0.6	-

TYPICAL COLD PHYSICAL PROPERTIES

Temperature °F	Installation Method	Cold Modulus of Rupture (psi)	Cold Crushing Strength (psi)	Density (lbs/ft^3)	Linear Change (%)
1500°F	Cast	100 – 150	300 -450	53 - 58	-0.3 to -0.7
	Gunned	150 - 250	400 - 700	60 - 70	

Temperature °C	Installation Method	Cold Modulus of Rupture (MPa)	Cold Crushing Strength (MPa)	Density (kg/m^3)	Linear Change (%)
815°C	Cast	0.7 – 1.0	2.7 – 3.1	850 – 930	-0.7 to -1.3
	Gunned	1.0 – 1.7	2.8 – 4.8	960 - 1120	

TYPICAL HOT PHYSICAL PROPERTIES

Fired to °F	Thermal Conductivity (BTU/ft^2/hr/in/°F)	Fired to °C	Thermal Conductivity W/(m K)
500	1.7	260	0.245
1000	1.68	538	0.242
1500	1.80	815	0.260

PACKAGING: 50 lb. Bags, 40 per Pallet (2,000 lbs.)

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The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.

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