

RESCOCAST LH-14

RESCO PRODUCTS OFFERS A COMPLETE LINE OF THE LUMNITE, HAYDITE, VERMICULITE MIXES. HAVING THESE PRODUCTS BLENDED IN THE FACTORY ASSURES THAT THE PROPER RATIOS ARE MAINTAINED THROUGHOUT THE PRODUCTION RUN AND THE QUALITY OF THE MATERIAL CAN BE CHECKED BEFORE INSTALLATIONS. CAST DATA

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1095°C)

BULK DENSITY

@ 110°C	98 - 103	LBS/FT ³	1570 - 1650	KG/M ³
@ 815°C	92 - 97	LBS/FT ³	1474 - 1554	KG/M ³

COLD CRUSHING STRENGTH

@ 540°C	1500 - 2200	P.S.I.	105 - 155	KG/CM ²
@ 815°C	1200 - 2000	P.S.I.	85 - 140	KG/CM ²
@ 1095°C	1000 - 1500	P.S.I.	70 - 105	KG/CM ²

COLD MODULUS OF RUPTURE

@ 540°C	450 - 700	P.S.I.	30 - 50	KG/CM ²
@ 815°C	400 - 650	P.S.I.	28 - 46	KG/CM ²
@ 1095°C	300 - 500	P.S.I.	21 - 35	KG/CM ²

PERMANENT LINEAR CHANGE

@ 815°C	- 0.10 TO - 0.30 %
@ 1095°C	- 0.10 TO - 0.40 %

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/HR/°F/IN</u>	<u>W/m</u>
@ 540°C (1000°F)	3.40	0.42
@ 815°C (1500°F)	3.50	0.43

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	ALK	S
26.6	49.7	6.8	14.6	0.6	0.3	1.0	0.4

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions 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. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 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

RESCOCAST LH-14

RESCOCAST LH-14 CAN ALSO BE READILY APPLIED BY GUNITE APPLICATION. DATA SHOWN ARE AVERAGE RESULTS OF TESTS FOLLOWING THE GUIDE LINES SET FORTH IN ASTM C-903-70 "PREPARING REFRACTORY CONCRETE SPECIMEN'S BY COLD GUNNING".

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1095°C)

BULK DENSITY

@ 815°C 95 - 105 LBS/FT³ 1520 - 1680 KG/M³

COLD CRUSHING STRENGTH

@ 540°C 1500 - 2500 P.S.I. 105 - 175 KG/CM²
@ 815°C 1000 - 2000 P.S.I. 70 - 140 KG/CM²

COLD MODULUS OF RUPTURE

@ 540°C 450 - 650 P.S.I. 32 - 45 KG/CM²

PERMANENT LINEAR CHANGE

@ 815°C 0.00 TO -0.30 %

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/HR/°F/IN</u>	<u>W/mK</u>
@ 260°C (500°F)	3.50	0.43
@ 540°C (1000°F)	3.65	0.45
@ 815°C (1500°F)	3.75	0.47

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	ALK	TiO ₂	S
26.6	49.7	6.8	14.6	0.6	1.0	0.3	0.4