

# RIVERBANK ACOUSTICAL LABORATORIES

1512 S. BATAVIA AVENUE  
GENEVA, ILLINOIS 60134

Alion Science and Technology

630/232-0104  
FOUNDED 1918 BY  
WALLACE CLEMENT SABINE

## TEST REPORT

Hoover Treated Wood Products, Inc.

RAL™-TL04-093

15 April 2004

### TEST RESULTS

Sound transmission loss values are tabulated at the eighteen standard frequencies. A graphic presentation of the data and additional information appear on the following pages. The precision of the TL test data is within the limits set by the ASTM Standard E90-02.

<u>FREQ.</u>	<u>T.L.</u>	<u>C.L.</u>	<u>DEF.</u>	<u>FREQ.</u>	<u>T.L.</u>	<u>C.L.</u>	<u>DEF.</u>
100	22	0.92		800	33	0.13	
125	21	0.59		1000	35	0.16	
160	23	0.39		1250	39	0.13	
200	23	0.47		1600	38	0.16	
250	20	0.35	4	2000	40	0.08	
315	20	0.41	7	2500	42	0.10	
400	22	0.36	8	3150	44	0.10	
500	31	0.28		4000	47	0.10	
630	34	0.22		5000	50	0.08	

STC=31

### ABBREVIATION INDEX

FREQ. = FREQUENCY, HERTZ, (cps)

T.L. = TRANSMISSION LOSS, dB

C.L. = UNCERTAINTY IN dB, FOR A 95% CONFIDENCE LIMIT

DEF. = DEFICIENCIES, dB<STC CONTOUR (SUM OF DEF = 19)

STC = SOUND TRANSMISSION CLASS

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Tested by \_\_\_\_\_ Approved by \_\_\_\_\_

Marc Sciaky  
Senior Technician

David L. Moyer  
Laboratory Manager

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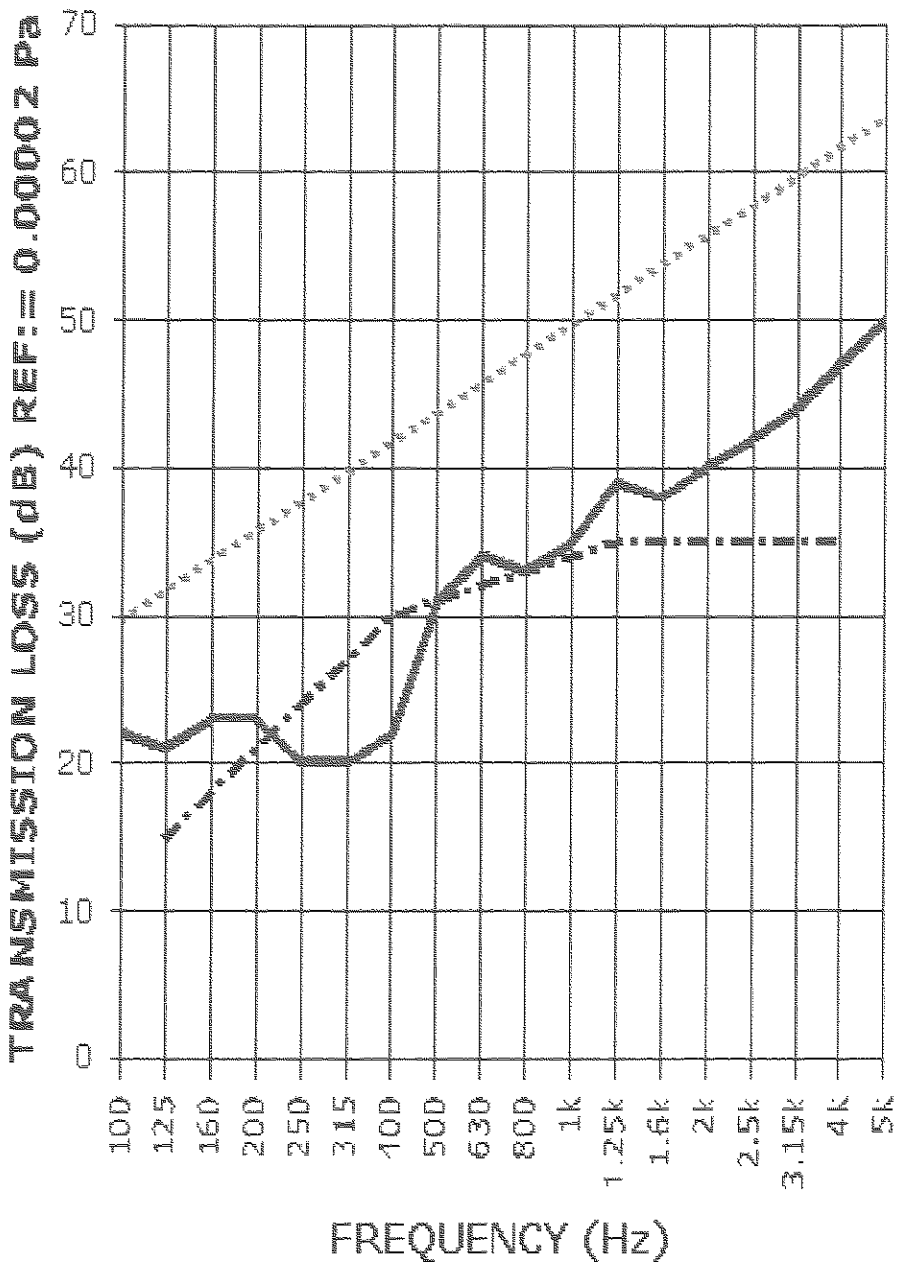
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## TEST REPORT

### SOUND TRANSMISSION REPORT RAL - TL04-162



FREQUENCY (Hz)

STC = 31



TRANSMISSION LOSS  
SOUND TRANSMISSION LOSS CONTOUR  
MASS LAW

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