



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318

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Visit our Website: www.acousticalsurfaces.com

We Identify and **S.T.O.P.** Your Noise Problems

PAGE 1 of 2

Riverbank Acoustical Laboratories (RAL)™ / An Alion Science Technical Center
 Laboratory Measurement of Airborne Sound Transmission Loss
 of Building Partitions ASTM E 90-04/NVLAP 08/P06

TEST NUMBER: TL10-173 TEST DATE: MAY 14, 2010

CLIENT: Rendered by Manufacturer and Released to:
 Acoustical Surfaces, Inc.
 123 Columbia Court North, Chaska, MN 55318

DESIGNATION: MLV 1# + 1/4 Open Cell

DIMENSIONS: 48" wide x 96" high x 0.35" thick

AREA: 32.0 ft²

WEIGHT: 35 lbs AREA WEIGHT: 1.09 lbs/ft²

SPECIMEN DETAILS:

SOURCE ROOM: Room 2 Volume = 6297.6 ft³ Area = 2066.2 ft²

RECEIVE ROOM: Room 3 Volume = 4929.46 ft³ Area = 1690.3 ft²

FILE NAME: TL10_173_100514_A.doc

FREQ. (Hz)	T.L. (dB)	UNC. (dB) 95%CL	DEF. (dB) <CONT	FREQ. (Hz)	T.L. (dB)	UNC. (dB) 95%CL	DEF. (dB) <CONT
100	17	0.75		800	26	0.17	3
125	17	1.11		1k	28	0.12	2
160	16	0.70		1.25k	30	0.17	1
200	16	0.59	1	1.6k	32	0.11	
250	17	0.38	3	2k	34	0.12	
315	19	0.32	4	2.5k	36	0.13	
400	20	0.37	6	3.15k	39	0.09	
500	22	0.17	5	4k	40	0.07	
630	24	0.30	4	5k	39	0.05	

Sound Transmission Class (STC) = 27

Total Deficiencies = 29

Extended Frequency Data

FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
40	16	0.94		6.3k	41	0.05	
50	12	0.72		8k	44	0.06	
63	8	0.87		10k	47	0.07	
80	7	1.11					

R: 27
 OITC: 21

Test Conducted by *Marc Sclaky*
 Marc Sclaky

This single report page and accompanying graph contain the instantaneous raw data as provided to the client after testing of the specimen. This data, although accurate, is incomplete without the full specimen description, mounting details and signature pages. The full report referenced by the RAL test number above should be consulted for further information regarding these results.

RIVERBANK ACOUSTICAL LABORATORIES

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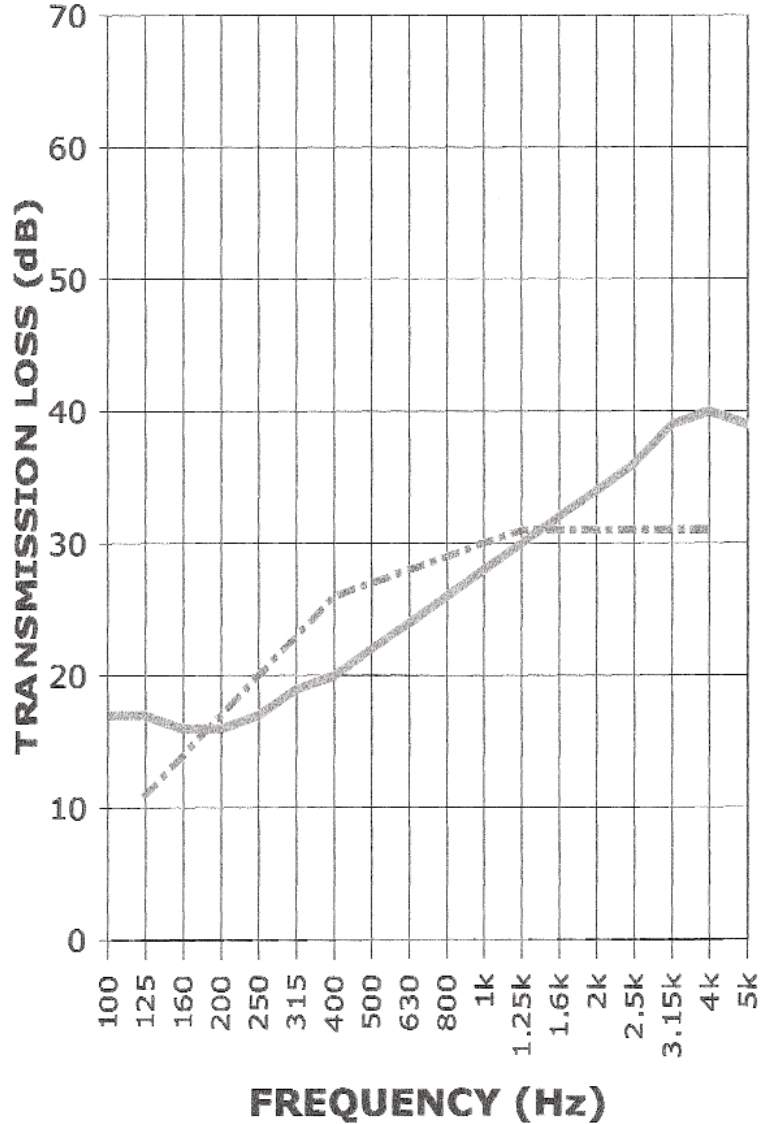
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We Identify and S.T.O.P. Your Noise Problem

SOUND TRANSMISSION REPORT

RAL - TL10-173

RIVERBANK ACOUSTICAL LABORATORIES



STC = 27



TRANSMISSION LOSS
SOUND TRANSMISSION LOSS CONTOUR

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