



# Acoustical Surfaces, Inc.

**SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS**

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

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**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: TL10-106 TEST DATE: MARCH 31, 2010

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

DESIGNATION: 2# Sound Deadening Sheet

DIMENSIONS: 48" wide x 96" high x 0.21" thick  
 AREA: 32.0 ft<sup>2</sup>  
 WEIGHT: 65.5 lbs AREA WEIGHT: 2.05 lbs/ft<sup>2</sup>  
 SPECIMEN DETAILS:

SOURCE ROOM: Room 2 Volume = 6297.6 ft<sup>3</sup> Area = 2066.2 ft<sup>2</sup>  
 RECEIVE ROOM: Room 3 Volume = 4712.88 ft<sup>3</sup> Area = 1690.3 ft<sup>2</sup>  
 FILE NAME: TL10\_106\_100331\_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	22	0.94		800	30	0.30	3
125	20	0.74		1k	32	0.25	2
160	21	0.75		1.25k	33	0.23	2
200	20	0.46	1	1.6k	35	0.23	
250	22	0.51	2	2k	37	0.19	
315	22	0.42	5	2.5k	39	0.18	
400	24	0.33	6	3.15k	40	0.22	
500	26	0.30	5	4k	41	0.16	
630	28	0.33	4	5k	43	0.21	

**Sound Transmission Class (STC) = 31**

Total Deficiencies = 30

Extended Frequency Data

FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
40	13	0.66		6.3k	45	0.15	
50	16	0.96		8k	45	0.16	
63	11	0.81		10k	46	0.22	
80	13	0.83					

R: 31  
 OITC: 25

Test Conducted by

*Marc Sciak*  
 Marc Sciak

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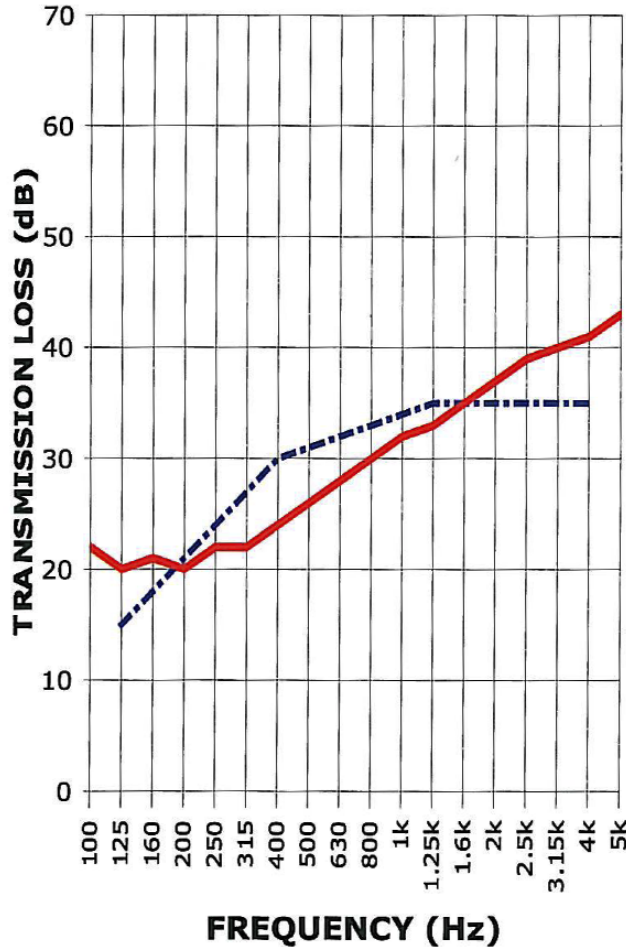
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**We Identify and S.T.O.P. Your Noise Problem**

**SOUND TRANSMISSION REPORT**  
**RAL - TL10-106**

RIVERBANK ACOUSTICAL LABORATORIES



**FREQUENCY (Hz)**

**STC = 31**



**TRANSMISSION LOSS**  
**SOUND TRANSMISSION LOSS CONTOUR**

- Soundproofing Products • Sonex™ Ceiling & Wall Panels • Sound Control Curtains • Equipment Enclosures • Acoustical Baffles & Banners • Solid Wood & Veneer Acoustical Ceiling & Wall Systems
- Professional Audio Acoustics • Vibration & Damping Control • Fire Retardant Acoustics • Hearing Protection • Moisture & Impact Resistant Products • Floor Impact Noise Reduction
- Sound Absorbers • Noise Barriers • Fabric Wrapped Wall Panels • Acoustical Foam (Egg Crate) • Acoustical Sealants & Adhesives • Outdoor Noise Control • Assistive Listening Devices
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