



# 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](http://www.acousticalsurfaces.com)

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

PAGE 1 of 2

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

TEST NUMBER: TL10-314 TEST DATE: SEPTEMBER 17, 2010  
 CLIENT: Rendered by Manufacturer and Released to: Acoustical Surfaces, Inc.  
 123 Columbia Court North, Chaska, MN 55318  
 DESIGNATION: GP #3- Steel Stud Gypsum Board Panel  
 DIMENSIONS: 47.75" wide x 95.75" high x 4.75" thick  
 AREA: 32.0 ft<sup>2</sup>  
 WEIGHT: 164.5 lbs AREA WEIGHT: 5.18 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 = 4929.46 ft<sup>3</sup> Area = 1690.3 ft<sup>2</sup>  
 FILE NAME: TL10\_314\_100917\_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	21	0.75		800	49	0.16	
125	28	0.42	1	1k	50	0.21	
160	27	0.93	5	1.25k	50	0.12	
200	35	0.41		1.6k	48	0.10	1
250	39	0.50		2k	41	0.12	8
315	36	0.37	5	2.5k	44	0.10	5
400	41	0.37	3	3.15k	47	0.08	2
500	44	0.21	1	4k	51	0.06	
630	45	0.24	1	5k	52	0.07	


Sound Transmission Class (STC) = 45

Total Deficiencies = 32

### Extended Frequency Data

FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
80	8	0.85					

R: 44  
 OITC: 27

Test Conducted by   
 Marc Sciaky

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.



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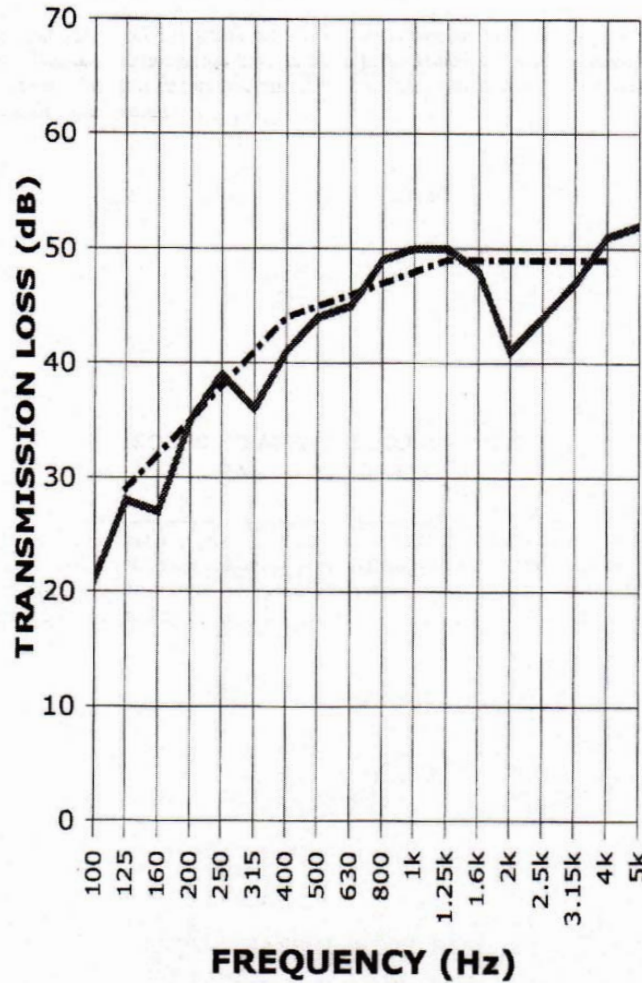
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**SOUND TRANSMISSION REPORT**  
RAL - TL10-314



**STC = 45**



**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
- OSHA, FDA, ADA Compliance • On-Site Acoustical Analysis • Acoustical Design & Consulting • Large Inventory • Fast Shipment • No Project too Large or Small • Major Credit Cards Accepted