



STOP NOISE

ACOUSTICAL

Sound Solutions for Over 40 Years

SURFACES INC.

Soundproofing | Acoustics | Noise & Vibration Control

RIVERBANK ACOUSTICAL LABORATORIES

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 ft²  
WEIGHT: 65.5 lbs AREA WEIGHT: 2.05 lbs/ft²  
SPECIMEN DETAILS:

SOURCE ROOM: Room 2 Volume = 6297.6 ft³ Area = 2066.2 ft²  
RECEIVE ROOM: Room 3 Volume = 4712.88 ft³ Area = 1690.3 ft²  
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 Sciaky*  
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.



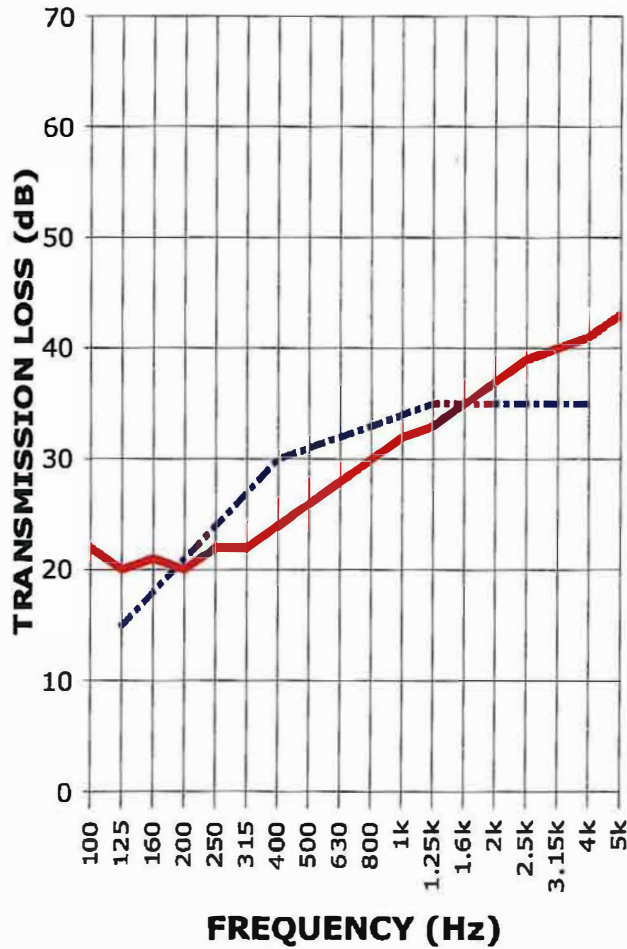
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**SOUND TRANSMISSION REPORT  
RAL - TL10-106**



**STC = 31**



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