Unofficial Test Results & Preliminary Data Sheet

Riverbank Acoustical Laboratories (RAL)TM / An Alion Science Technical Center (RALVer 15.2)

Laboratory Measurement of Airborne Sound Transmission Loss
of Building Partitions ASTM E 90-09/NVLAP 08/P06

TEST NUMBER: TL17-453 TEST DATE: OCTOBER 10, 2017

CLIENT: Commercial Acoustics

DESIGNATION: Wall Assembly - 18ga. 6" steel stud wall 24" oc, insulated with R-19, 2 layers of 5/8"

Type X Drywall on the Source Side, 1 Layer of Wall Blokker PRO(1/8"EVA,1 lb/sf) plus

2 Layers 5/8" Type X Drywall on the Receive Side

DIMENSIONS: 168" wide x 108" high x 8.625" thick

AREA: 126.0 ft²

WEIGHT: 1407.5 lbs AREA WEIGHT: 11.17 lbs/ft²

SPECIMEN DETAILS:

SOURCE ROOM: Room 1 Volume = 6254.5 ft^3 Area = 2042 ft^2 RECEIVE ROOM: Room 2 Volume = 6297.6 ft^3 Area = 2066.2 ft^2

FILE NAME: TL17_453_171010_A.doc

FREQ. (Hz)	T.L. (dB)	UNC. (dB) 95%CL	DEF. (dB) <cont< th=""><th>FREQ. (Hz)</th><th>T.L. (dB)</th><th>UNC. (dB) 95%CL</th><th>DEF. (dB) <cont< th=""></cont<></th></cont<>	FREQ. (Hz)	T.L. (dB)	UNC. (dB) 95%CL	DEF. (dB) <cont< th=""></cont<>
100	29	0.77		800	58	0.15	
125	40	0.36		1k	61	0.14	
160	44	0.61		1.25k	61	0.16	
200	45	0.50	1	1.6k	61	0.11	
250	46	0.38	3	2k	54	0.08	6
315	48	0.31	4	2.5k	53	0.08	7
400	53	0.37	2	3.15k	59	0.06	1
500	55	0.27	1	4k	64	0.06	
630	55	0.22	2	5k	67	0.06	

Sound Transmission Class (STC) = 56

Total Deficiencies = 27

Extended Frequency Data

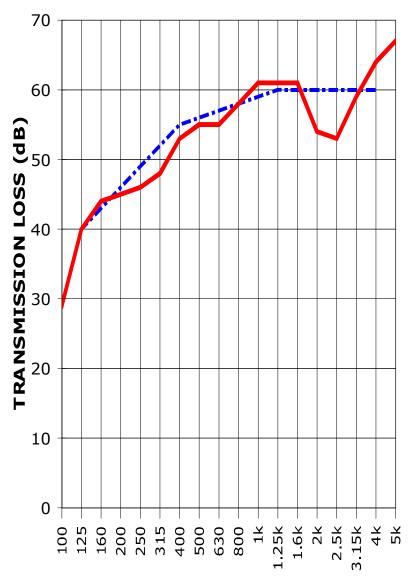
FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
32	15	1.36		6.3k	69	0.06	
40	24	0.69		8k	70	0.04	
50	19	0.85		10k	66	0.04	
63	14	0.51		12.5k	60	0.05	
80	19	0.51					

R: 55 OITC: 38

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.

SOUND TRANSMISSION REPORT RAL - TL17-453



FREQUENCY (Hz)

STC = 56

TRANSMISSION LOSS
SOUND TRANSMISSION LOSS CONTOUR