

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

TEST NUMBER: TL07-069 TEST DATE: FEBRUARY 28, 2007

CLIENT: Quiet Solution
 DESIGNATION: 5/8 Type X 24" oc UltraSTEEL Wall w/ R13 bat Insulation and 5/8 QuietRock 527

DIMENSIONS: 97" wide x 108" high x 4.875" thick
 AREA: 72.5 ft² (Filler: 53.5 ft² Comp: 126.0 ft²)
 WEIGHT: 417 lbs AREA WEIGHT: 5.73 lbs/ft²
 SPECIMEN DETAILS:

SOURCE ROOM: Room 2 Volume = 6297.6 ft³ Area = 2066.2 ft²
 RECEIVE ROOM: Room 1 Volume = 6254.5 ft³ Area = 2042 ft²
 FILE NAME: TL07_069_070228_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	19	1.01		800	56	0.18	1
125	32	0.77	7	1k	56	0.14	2
160	37	0.86	5	1.25k	58	0.18	1
200	39	0.77	6	1.6k	59	0.15	
250	44	0.57	4	2k	59	0.16	
315	50	0.27	1	2.5k	60	0.10	
400	53	0.32	1	3.15k	61	0.06	
500	55	0.18		4k	59	0.09	
630	56	0.18		5k	62	0.07	

Sound Transmission Class (STC) = 55

Total Deficiencies = 28

Extended Frequency Data

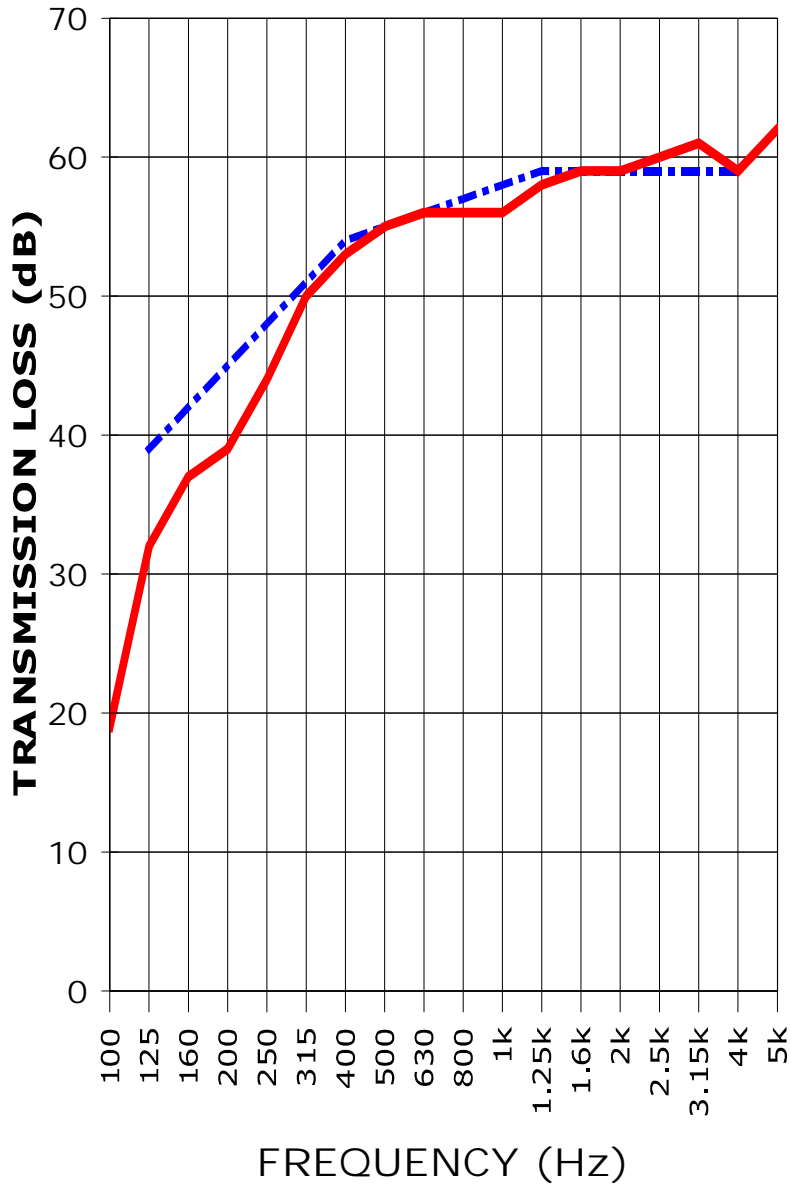
FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
40	24	0.71		6.3k	64	0.05	
50	15	0.59		8k	66	0.09	
63	14	0.82		10k	69	0.20	
80	16	0.67					

R: 53
 OITC: 33

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 - TL07-069



FREQUENCY (Hz)

STC = 55



TRANSMISSION LOSS
SOUND TRANSMISSION LOSS CONTOUR