

Riverbank Acoustical Laboratories (RAL™)
 Laboratory Measurement of Airborne Sound Transmission Loss
 of Building Partitions ASTM E 90-02/NVLAP 08/P06

TEST NUMBER: TL03-220 TEST DATE: JULY 11, 2003

CLIENT: Signature Innovations, LLC
 DESIGNATION: Signature Wood Flooring on 2-IN-1 Underlayment on 6 Inch Slabs and Insulated Ceiling

DIMENSIONS: 168" wide x 240" high x 16.215" thick
 AREA: 280.0 ft²
 WEIGHT: 20063 lbs AREA WEIGHT: 71.65 lbs/ft²
 SPECIMEN DETAILS:

SOURCE ROOM: Room 3 Volume = 4911.9 ft³ Area = 1690.3 ft²
 RECEIVE ROOM: Room 4 Volume = 2856.17 ft³ Area = 1406.5 ft²
 FILE NAME: TL03_220_030711_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	35	0.79		800	67	0.33	
125	42	0.88	3	1k	72	0.28	
160	45	0.76	3	1.25k	76	0.24	
200	44	1.17	7	1.6k	80	0.24	
250	47	0.80	7	2k	82	0.19	
315	52	0.85	5	2.5k	83	0.13	
400	55	0.68	5	3.15k	88	0.19	
500	59	0.58	2	4k	89	0.09	
630	63	0.44		5k	84	0.08	

Sound Transmission Class (STC) = 61

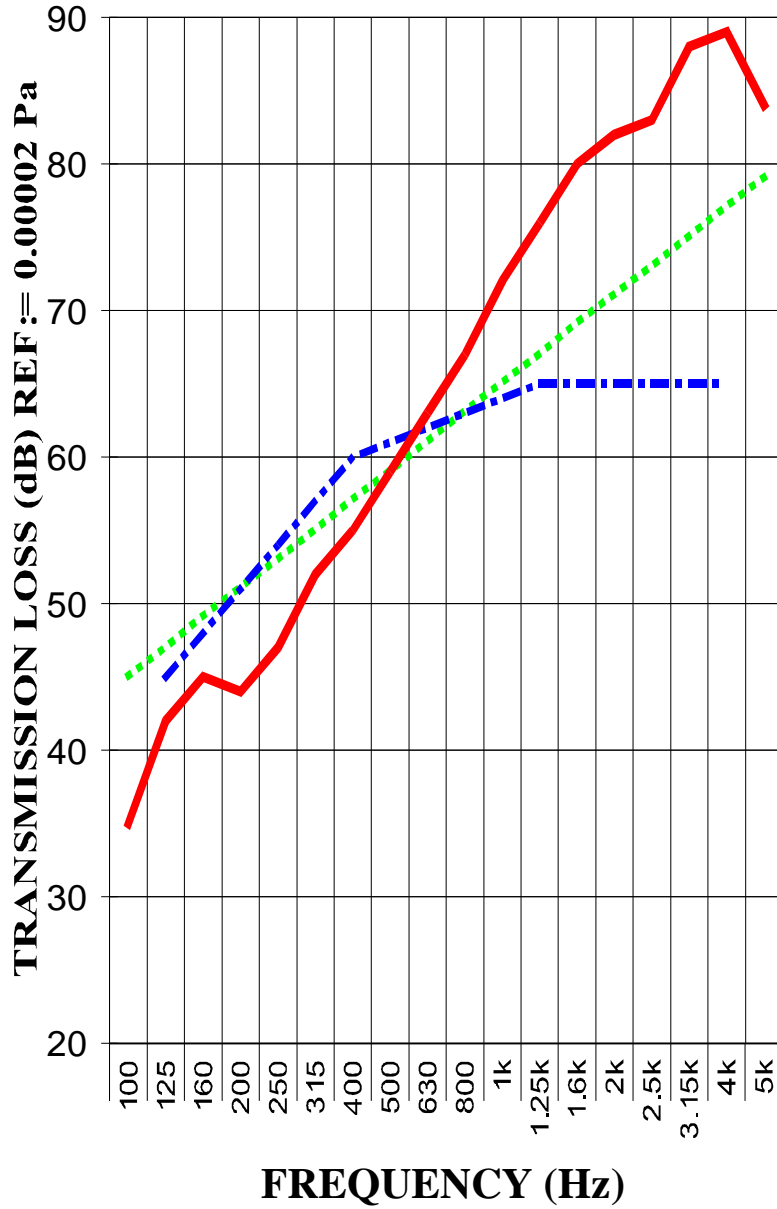
Total Deficiencies = 32

Extended Frequency Data

FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
80	36	1.31					

R: NA
 OITC: NA

SOUND TRANSMISSION REPORT
RAL - TL03-220



STC = 61

- TRANSMISSION LOSS
- - - SOUND TRANSMISSION LOSS CONTOUR
- MASS LAW