

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

TEST NUMBER: TL03-216 TEST DATE: JULY 02, 2003

CLIENT: Signature Innovations, LLC
 DESIGNATION: Signature (Wood) Flooring on Akustic Underlayment on 6 Inch Concrete Slabs

DIMENSIONS: 168" wide x 240" high x 6.72" thick
 AREA: 280.0 ft²
 WEIGHT: 19380 lbs AREA WEIGHT: 69.21 lbs/ft²

SPECIMEN DETAILS:

SOURCE ROOM: Room 3 Volume = 4911.9 ft³ Area = 1690.3 ft²
 RECEIVE ROOM: Room 4 Volume = 3072.74 ft³ Area = 1406.5 ft²
 FILE NAME: TL03_216_030702_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	32	1.43		800	58	0.31	
125	36	1.32		1k	63	0.20	
160	38	0.92		1.25k	66	0.20	
200	39	0.91	1	1.6k	68	0.16	
250	37	0.75	6	2k	73	0.14	
315	40	0.68	6	2.5k	76	0.14	
400	41	0.48	8	3.15k	78	0.09	
500	45	0.43	5	4k	80	0.09	
630	52	0.37		5k	79	0.08	

Sound Transmission Class (STC) = 50

Total Deficiencies = 26

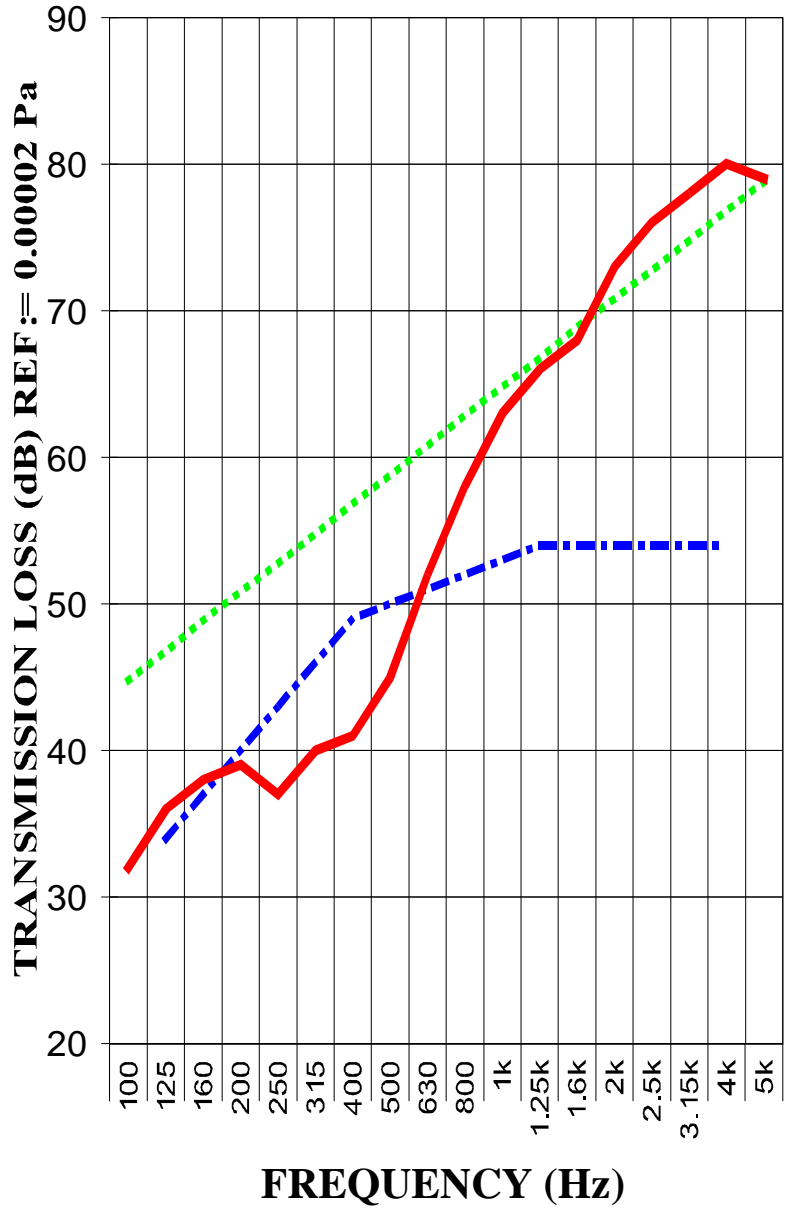
Extended Frequency Data

FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
80	37	1.23					

R: NA
 OITC: NA

RIVERBANK ACOUSTICAL LABORATORIES

SOUND TRANSMISSION REPORT
RAL - TL03-216



STC = 50

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