

Riverbank Acoustical Laboratories (RAL™)
 Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling
 Assemblies Using the Tapping Machine ASTM E 492-90/NVLAP 08/P07

TEST NUMBER: IN03-014 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
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FREQ. (Hz)	nISPL (dB)	UNC. (dB) 95%CL	DEV. (dB) >CONT	FREQ. (Hz)	nISPL (dB)	UNC. (dB) 95%CL	DEV. (dB) >CONT
100	54	0.97	8	800	30	0.41	
125	51	1.48	5	1k	24	0.45	
160	51	0.90	5	1.25k	21	0.47	
200	49	1.18	3	1.6k	18	0.41	
250	52	0.92	6	2k	16	0.63	
315	50	0.83	4	2.5k	15	0.59	
400	46	0.78	1	3.15k	11	1.01	
500	41	0.70		4k	06	1.34	
630	34	0.55		5k	05	1.37	

Impact Insulation Class (IIC) = 66

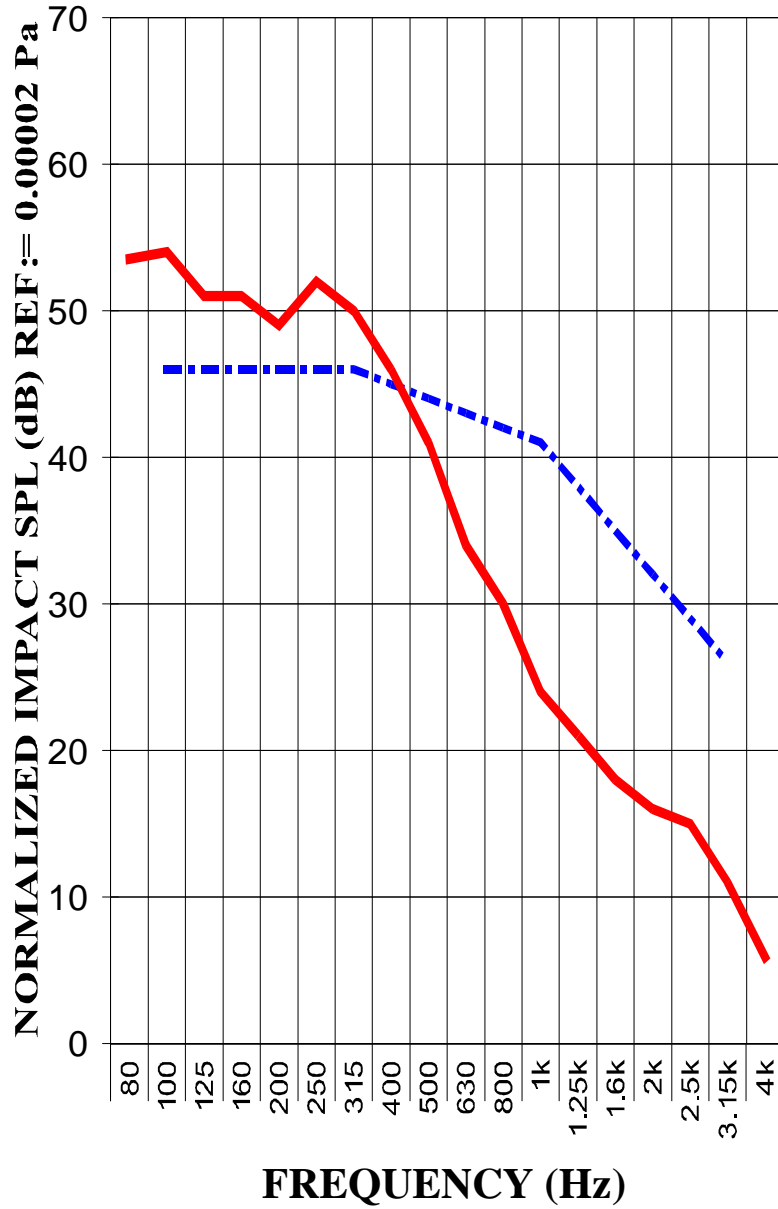
Total Deviations = 32

Extended Frequency Data

FREQ.	nISPL	UNC.	DEV.	FREQ.	nISPL	UNC.	DEV.
80	54	1.99					

R: NA
 OITC: NA

IMPACT SOUND TRANSMISSION REPORT
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IIC = 66



IMPACT SOUND PRESSURE LEVEL



IMPACT INSULATION CLASS CONTOUR