

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: IN03-012 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
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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	62	0.57	2	800	47	0.56	
125	63	1.51	3	1k	44	0.41	
160	63	0.97	3	1.25k	40	0.37	
200	64	1.01	4	1.6k	37	0.36	
250	66	0.84	6	2k	31	0.46	
315	65	0.71	5	2.5k	28	0.45	
400	65	0.54	6	3.15k	28	0.55	
500	60	0.45	2	4k	25	0.50	
630	52	0.56		5k	20	0.56	

Impact Insulation Class (IIC) = 52

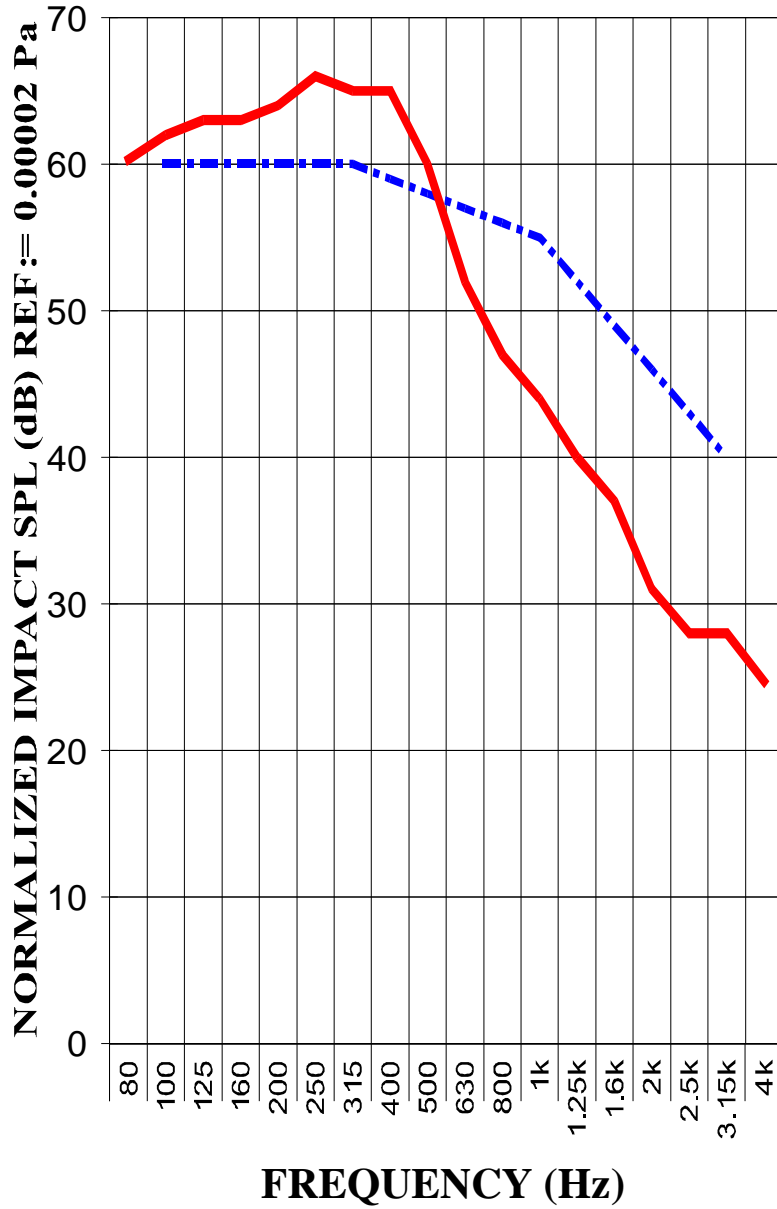
Total Deviations = 31

Extended Frequency Data

FREQ.	nISPL	UNC.	DEV.	FREQ.	nISPL	UNC.	DEV.
80	60	2.11					

R: NA
 OITC: NA

IMPACT SOUND TRANSMISSION REPORT
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IIC = 52



IMPACT SOUND PRESSURE LEVEL



IMPACT INSULATION CLASS CONTOUR