Unofficial Test Results & Preliminary Data Sheet

Riverbank Acoustical Laboratories (RAL)™ / An Alion Science Technical Center (RALVer 15.2)

Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions ASTM E 90-09/NVLAP 08/P06

Test Number: IN23-006 Test Date: 2023-05-02

Sponsor: Stauf USA LLC

Designation: 1/2" Engineered Hardwood Floor laid over PUM 950 Troweled Adhesive 8" concrete slab suspended ceiling

Dimensions: 2.44 m x 3.86 m x 0.46 m Test Conducted By: Marc Sciaky

Area: 9.41 m² Test Interface: 1.3.3

Weight: 5276.64 kg Area Weight: 560.50 kg/m²

Specimen Details:

Source Room: Room 3 Volume: 130.7 m³ Surface Area: 174.8 m²

Receive Room: Room 4 Volume: 80.3 m³ Surface Area: 130.7 m²

Freq (Hz)	nISPL (dB)	ΔLn (dB)	Deficiencies (dB)
31.5	51	6.69	
40	57	3.22	
50	64	3.82	
63	64	8.22	
80	58	6.40	
100	53	3.50	8
125	49	3.30	4
160	45	4.53	
200	46	6.15	1
250	48	8.24	3
315	37	1.71	
400	39	5.14	
500	38	0.82	
630	32	2.01	
800	33	3.13	
1000	35	5.57	
1250	30	5.76	
1600	30	8.97	
2000	30	7.64	
2500	24	6.17	
3150	15	2.78	
4000	10	1.87	
5000	8	3.95	
6300	7	2.65	
8000	8	1.17	
10000	11	1.73	
12500	8	1.68	

Impact Insulation Class (IIC): 67

Total Deficiencies: 16

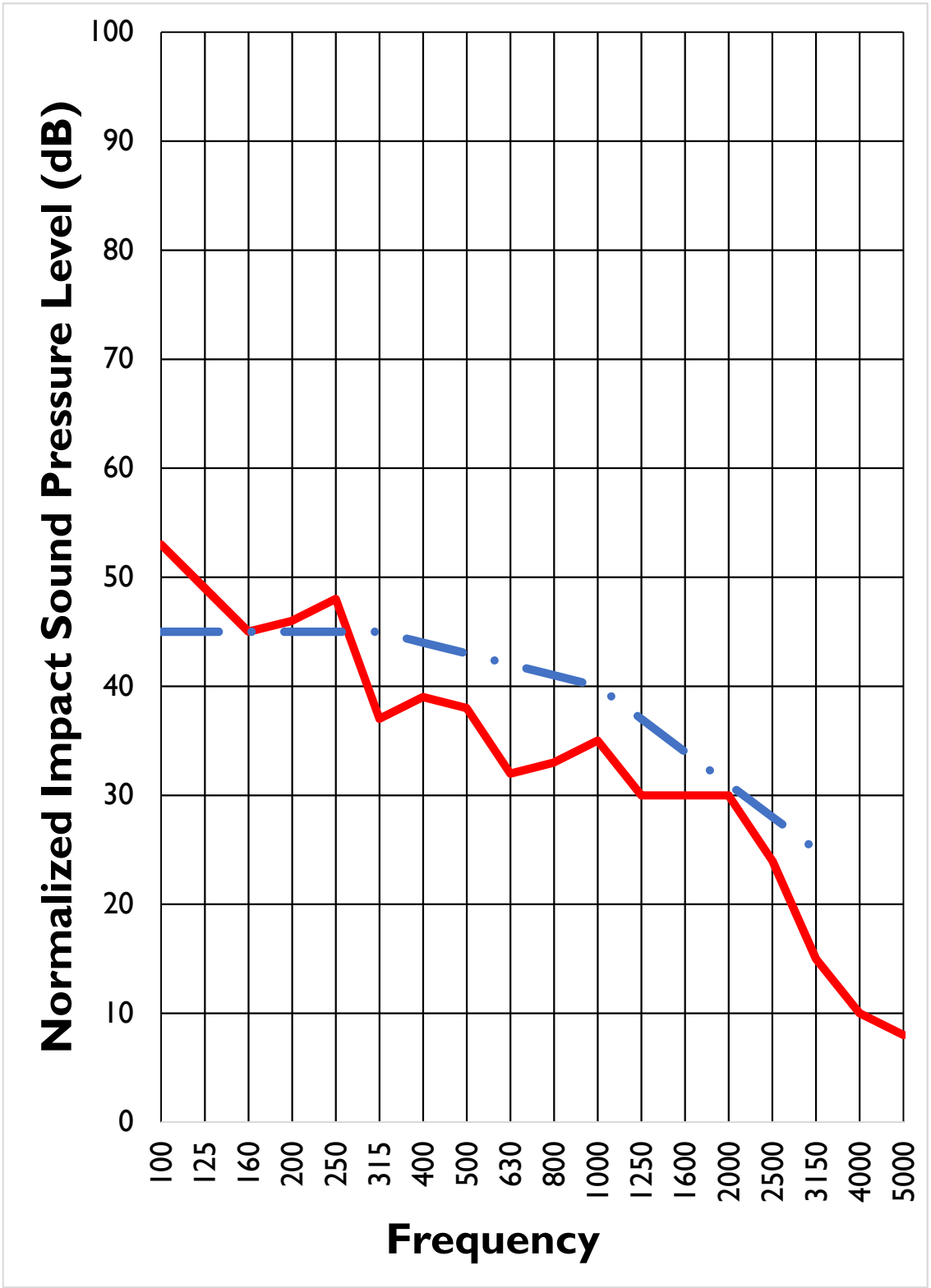
Calculation Date: 2023-05-02

Calculated 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 RESULTS

IN23-006



IIC = 67

TOTAL DEFICIENCIES = 16