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: IN23-005 Test Date: 2023-05-01
Sponsor: Stauf USA LLC
Designation: 1/2" Engineered Hardwood Floor laid over PUM 950 Trowled Adhesive (No Ceiling)
Dimensions: 2.44 m x 3.86 m x 0.22 m Test Conducted By: Marc Sciaky
Area: 9.41 m² Test Interface: 1.3.3
Weight: 111.36 kg Area Weight: 11.83 kg/m²
Specimen Details:

Source Room: Room 3 Volume: 130.7 m³ Surface Area: 174.8 m²
Receive Room: Room 4 Volume: 82.6 m³ Surface Area: 130.7 m²

Freq (Hz)	nISPL (dB)	ΔLn (dB)	Deficiencies (dB)
31.5	48	12.15	
40	55	5.96	
50	59	3.07	
63	63	4.00	
80	59	4.27	
100	59	1.71	
125	57	5.40	
160	57	6.82	
200	65	6.64	3
250	67	5.27	5
315	62	2.10	
400	64	4.43	3
500	66	2.20	6
630	62	0.90	3
800	60	2.37	2
1000	59	3.61	2
1250	55	6.01	1
1600	53	5.42	2
2000	52	7.31	4
2500	43	3.55	
3150	39	1.36	
4000	38	3.19	
5000	34	4.16	
6300	32	9.68	
8000	26	12.60	
10000	23	11.02	
12500	16	7.69	

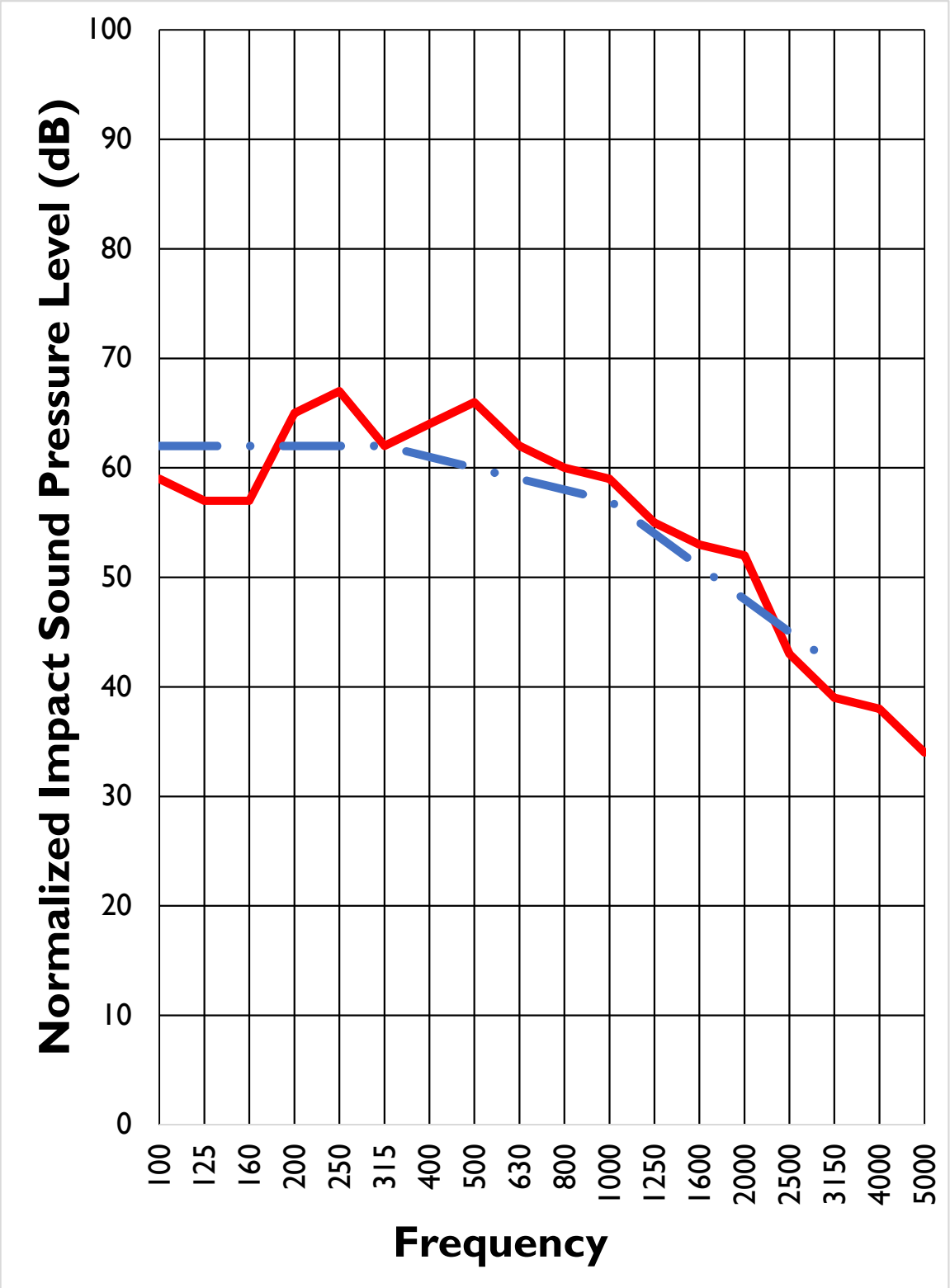
Impact Insulation Class (IIC): 50
Total Deficiencies: 31

Calculation Date: 2023-05-01
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

IN23-005



IIC = 50

TOTAL DEFICIENCIES = 31