

Unofficial Test Results & Preliminary Data Sheet

Riverbank Acoustical Laboratories (RAL)™

Laboratory Measurement of Airborne Sound Transmission Loss per ASTM E-90

Test Number: TL23-158

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

Area: 9.41 m²

Weight: 5134.44 kg

Test Conducted By: Marc Sciaky

Test Interface: 1.3.3

Area Weight: 545.39 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)	TL (dB)	Precision (dB)	Deficiencies (dB)
31.5	54	3.97	
40	38	1.15	
50	40	1.23	
63	38	1.11	
80	37	0.35	
100	35	0.74	
125	41	0.54	
160	41	0.51	2
200	44	0.32	2
250	44	0.65	5
315	50	0.34	2
400	47	0.45	8
500	54	0.18	2
630	57	0.14	
800	59	0.15	
1000	61	0.16	
1250	64	0.12	
1600	67	0.13	
2000	67	0.13	
2500	70	0.09	
3150	74	0.10	
4000	75	0.10	
5000	79	0.07	
6300	81	0.10	
8000	78	0.15	
10000	70	0.18	
12500	66	0.21	

Sound Transmission Class (STC): 56

Total Deficiencies: 21

OITC: 47

Calculation Date: 2023-05-01

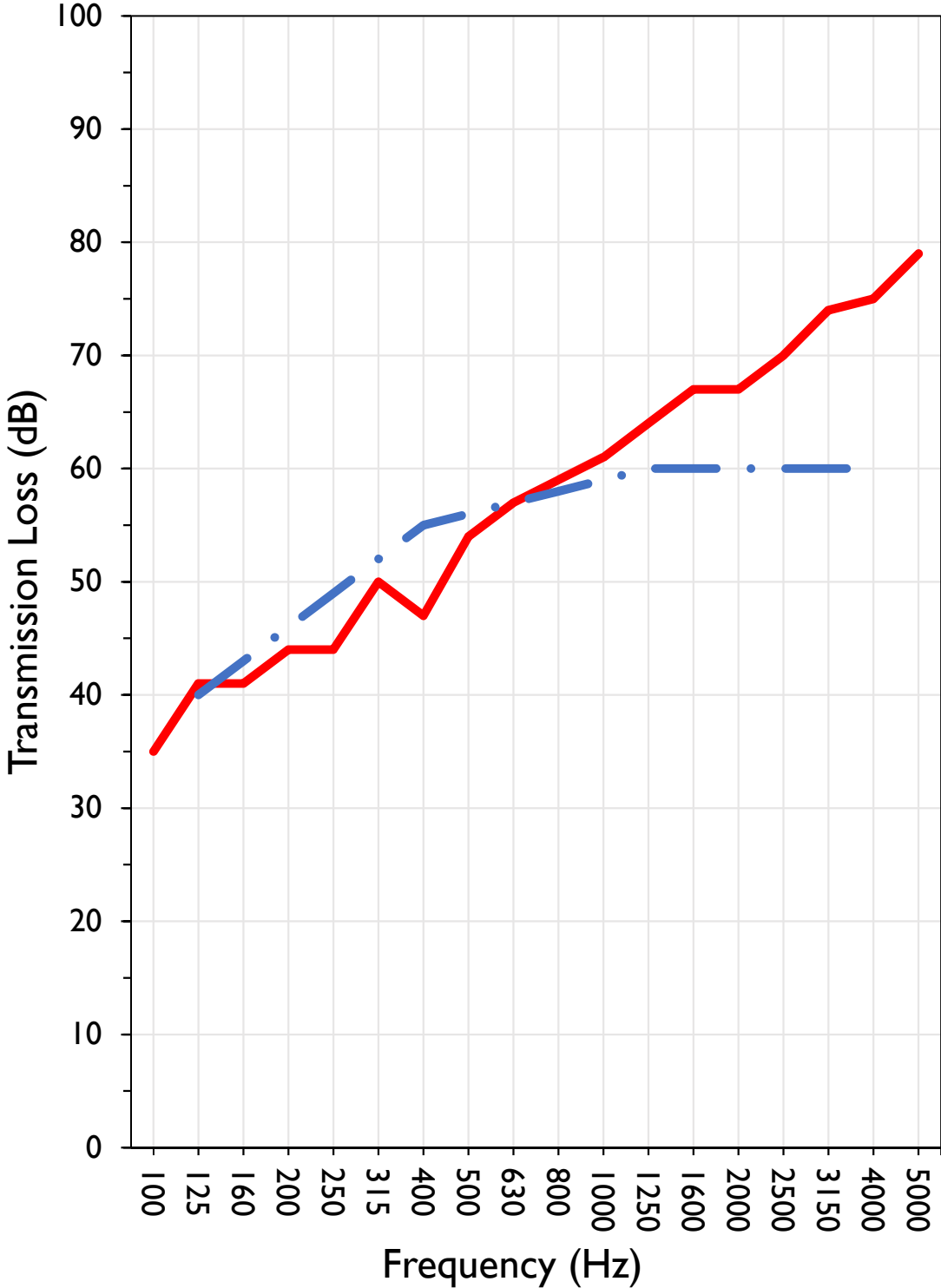
Calculated By: Marc Sciaky

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

1/2" Engineered Hardwood Floor laid over PUM 950 Trowled Adhesive (No Ceiling)

TL23-158



STC = 56
TOTAL DEFICIENCIES = 21