

Unofficial Test Results & Preliminary Data Sheet

Riverbank Acoustical Laboratories (RAL)™

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

Test Number: TL23-159

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) | TL (dB) | Precision (dB) | Deficiencies (dB) |
|-----------|---------|----------------|-------------------|
| 31.5 | 52 | 6.03 | |
| 40 | 39 | 1.25 | |
| 50 | 36 | 0.78 | |
| 63 | 40 | 0.78 | |
| 80 | 38 | 0.55 | |
| 100 | 35 | 0.64 | |
| 125 | 42 | 0.56 | 4 |
| 160 | 44 | 0.60 | 5 |
| 200 | 45 | 0.33 | 7 |
| 250 | 48 | 0.25 | 7 |
| 315 | 54 | 0.15 | 4 |
| 400 | 58 | 0.30 | 3 |
| 500 | 61 | 0.23 | 1 |
| 630 | 65 | 0.14 | |
| 800 | 67 | 0.21 | |
| 1000 | 71 | 0.11 | |
| 1250 | 74 | 0.09 | |
| 1600 | 78 | 0.17 | |
| 2000 | 80 | 0.12 | |
| 2500 | 84 | 0.13 | |
| 3150 | 90 | 0.07 | |
| 4000 | 93 | 0.07 | |
| 5000 | 91 | 0.11 | |
| 6300 | 87 | 0.11 | |
| 8000 | 80 | 0.15 | |
| 10000 | 72 | 0.17 | |
| 12500 | 67 | 0.23 | |

Sound Transmission Class (STC): 62

Total Deficiencies: 31

OITC: 49

Calculation Date: 2023-05-02

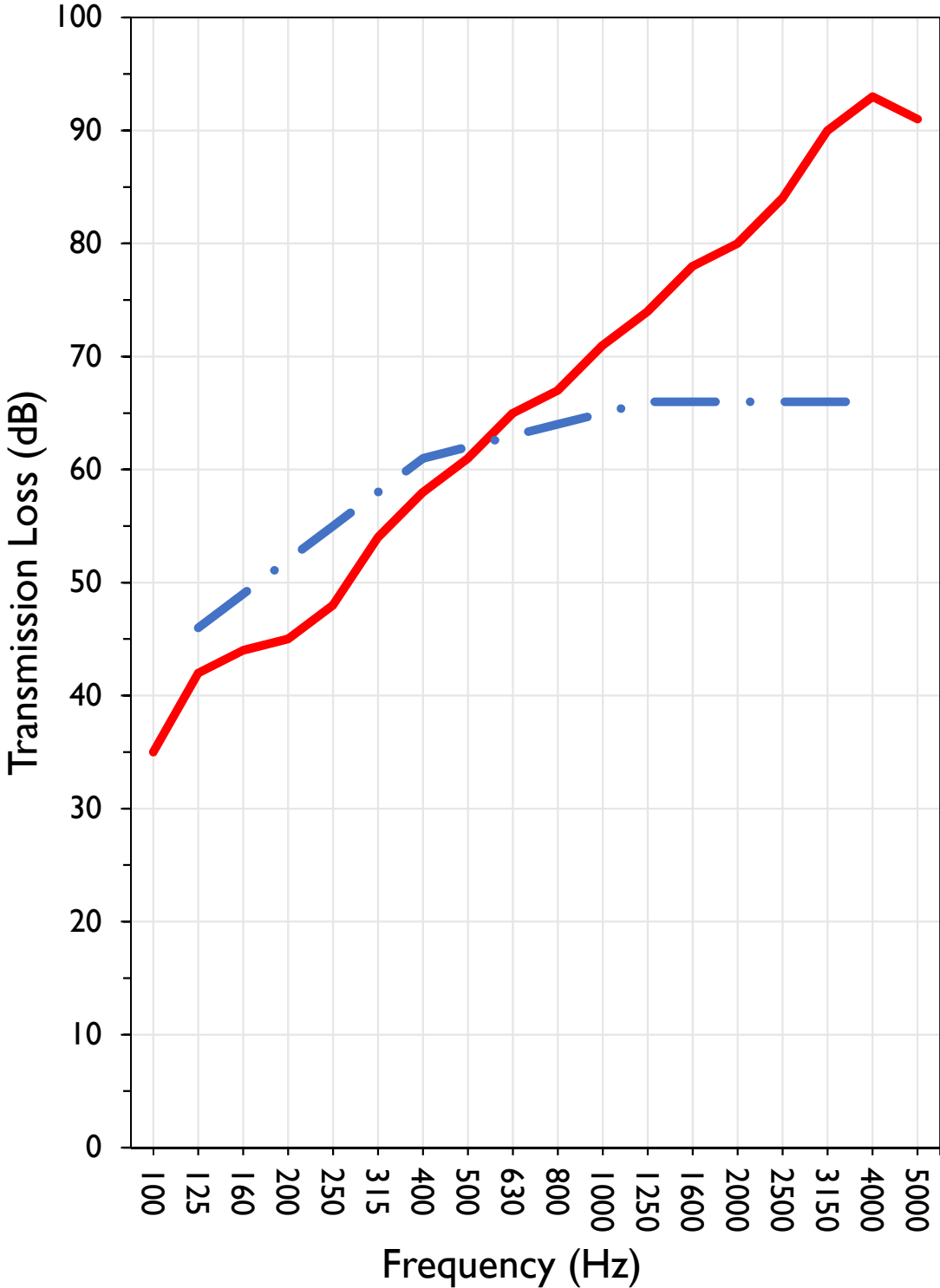
Calculated By: Marc Sciaky

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

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

TL23-159



STC = 62
TOTAL DEFICIENCIES = 31