Acoustical Surfaces, Inc.
SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS
123 Columbia Court North • Suite 201 • Chaska, MN 55318
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Email: sales@acousticalsurfaces.com
Visit our Website: www.acousticalsurfaces.com

We Identify and S.T.O.P. Your Noise Problem

Riverbank Acoustical Laboratories (RAL)™ / An Alion Science Technical Center
Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions ASTM E 90-04/NVLAP 08/P06

TEST NUMBER: TL10-314
TEST DATE: SEPTEMBER 17, 2010

CLIENT:
Rendered by Manufacturer and Released to: Acoustical Surfaces, Inc., 123 Columbia Court North, Chaska, MN 55318

DESIGNATION:
GP #3 Steel Stud Gypsum Board Panel

DIMENSIONS:
47.75" wide x 95.75" high x 4.75" thick

AREA:
32.0 ft²

WEIGHT:
164.5 lbs

AREA WEIGHT:
5.18 lbs/ft²

SPECIMEN DETAILS:

SOURCE ROOM:
Room 2 Volume = 6297.6 ft³

RECEIVE ROOM:
Area = 2066.2 ft²
Room 3 Volume = 4929.46 ft³

FILE NAME:
Area = 1690.3 ft²
TL10_314_10097_A.doc

FREQ. (Hz) | UNC. (dB) | DEF. (95%)<CONT. | FREQ. | UNC. (dB) | DEF. (95%)<CONT.
--------- | --------- | ---------------- | --------- | --------- | ----------------
100 21 0.75 | 800 49 0.16 |
125 28 0.42 | 1 1k 50 0.21 |
160 27 0.93 | 5 1.25k 50 0.12 |
200 35 0.41 | 1.6k 48 0.10 | 1 |
250 39 0.50 | 2k 41 0.12 | 8 |
315 36 0.37 | 2.5k 44 0.10 | 5 |
400 41 0.37 | 3.15k 47 0.08 | 2 |
500 44 0.21 | 4k 51 0.06 |
630 45 0.24 | 5k 52 0.07 |

Sound Transmission Class (STC) = 45
Total Deficiencies = 32

Extended Frequency Data

FREQ. | T.L. | UNC. | DEF.
----- | ---- | ----- | ----
80    | 0.85 |

R: 44
OITC: 27

Test Conducted 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.

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