



WESTERN ELECTRO - ACOUSTIC LABORATORY

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TESTING • CALIBRATION • RESEARCH

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SOUND ABSORPTION TEST REPORT NO. AB07-132

5000 Series SKU 5132-8 Perforated Wood Tiles with SoundTex
("A" mounting)

CLIENT: **9Wood**
999 South A Street
Springfield, OR 97477

Page 1 of 3
15 March 2007

TEST DATE: 13 March 2007

INTRODUCTION

The methods and procedures used for this test conform to the provisions and requirements of ASTM Procedure C 423-02a, *Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method*. Copies of the test standard are available at www.astm.org. The test chamber volume is 275 cubic meters. Western Electro-Acoustic Laboratory is accredited by the United States Department of Commerce, National Institute of Standards and Technology under the National Voluntary Accreditation Program (NVLAP) Lab Code 100256-0 for this test procedure. This test report relates only to the item(s) tested. Any advertising that utilizes this test report or test data must not imply product certification or endorsement by WEAL, NVLAP, NIST or the U.S. Government.

DESCRIPTION OF TEST SPECIMEN

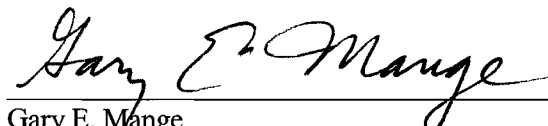
The test specimen was a 9Wood Perforated Wood Tile assembly. The specimen consisted of 20 tiles. 16 of the tiles were approximately 24 inches (610 mm) by 24 inches (610 mm) by 3/4 inch (19.1 mm) thick and 4 of the tiles were approximately 24 inches (610 mm) by 12 inches (305 mm) by 3/4 inch (19.1 mm) thick. The perforations were 8 mm (5/16 inch) diameter holes on 32 mm (1-1/4 inch) centers. Adhered to the back of the tiles was SoundTex. The tiles were laid side by side directly on the test chamber floor. According to the manufacturer the specimen was:

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The net dimensions of the tile assembly were 106-1/4 inches (2.70 m) by 94-1/2 inches (2.40 m) by 3/4 inches (19.1 mm) thick. The percent open area was calculated to be 4.9%. The overall weight of the specimen was 189 lbs. (85.7 kg).

Test results are presented on the following page.

Respectfully submitted,
Western Electro-Acoustic Laboratory



Gary E. Mange
Laboratory Director

SOUND ABSORPTION TEST REPORT NO. AB07-132

Page 2 of 3
15 March 2007

TEST DATE: 13 March 2007

Mounting per ASTM E 795-00: Type A

Area tested: 69.73 ft² (6.48 m²)

Temperature: 69.2° F

Humidity: 42.5%

TEST RESULTS

1/3 Octave Band Absorption Data

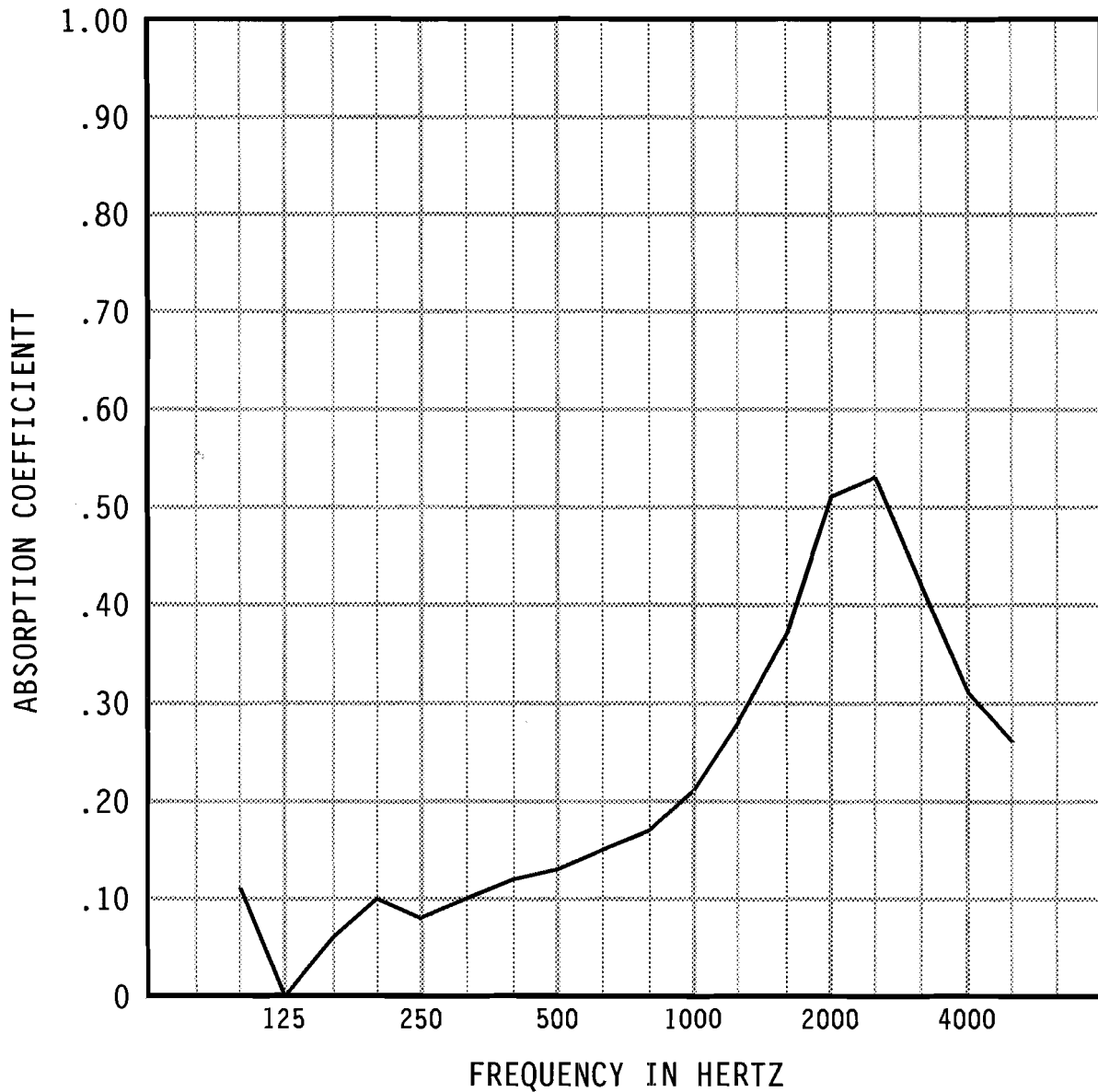
Frequency in Hz	Absorption in Sabins	Absorption Coefficients
100	7.8	0.11
125	0.0	0.00
160	4.5	0.06
200	6.7	0.10
250	5.4	0.08
315	6.8	0.10
400	8.0	0.12
500	9.3	0.13
630	10.1	0.15
800	12.1	0.17
1000	14.3	0.21
1250	19.3	0.28
1600	26.0	0.37
2000	35.2	0.51
2500	36.9	0.53
3150	29.2	0.42
4000	21.6	0.31
5000	18.5	0.26

NRC 0.25
SAA 0.23

SOUND ABSORPTION TEST REPORT No. AB07-132

TEST DATE: 13 March 2007

Page 3 of 3
15 March 2007



Specimen Area: 69.73 sq.ft.
Temperature: 69.2 deg. F
Relative Humidity: 42.5 %

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