WESTERN ELECTRO - ACOUSTIC LABORATORY
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T E S T I N G • C A L I B R A T I O N • R E S E A R C H

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SOUND ABSORPTION TEST REPORT NO. AB07-133 revision 1

Acoustic Planks SKU 3108-2 with 1.5 mm Kerf Openings, 8 mm spacing
("A" mounting)

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

7 September 2010

TEST DATE: 13 March 2007

INTRODUCTION

The methods and procedures used for this test conform to the provisions and requirements of ASTM Procedure C 423-08a, *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 3100 Acoustic Plank. Fourteen planks, approximately 19 mm (3/4 inch) thick by 200 mm (8 inches) wide by 2.44 m (8 feet) long were assembled directly on the test chamber floor. The planks were kerfed along the entire length of the plank (parallel to the grain) with 1.5 mm kerf openings on 8 mm centers. Each plank contained 25.4 mm (1 in.) by 159 mm (6.25 in.) oval acoustic dadoes filled with fiberglass pills on the backside of the plank. The planks were laid side by side directly on the test chamber floor. According to the manufacturer the specimen was:

Series 3100 SKU 3108-2 Acoustic Plank

The net dimensions of the assembly were 2.69 m (106 inches) by 2.44 m (96 inches) by 19 mm (3/4 inches) thick. The overall weight of the specimen was 61.5 kg (135.5 lbs.).

Test results are presented on the following page.

Respectfully submitted,
Western Electro-Acoustic Laboratory

Gary E. Mange
Laboratory Director

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Mounting per ASTM E 795-00: Type A
Area tested: 70.67 ft^2 (6.57 m^2)
Temperature: 69.3° F
Humidity: 43%

TEST RESULTS

1/3 Octave Band Absorption Data

Frequency in Hz	Absorption in Sabins	Absorption Coefficients
100	1.1	0.02
125	0.4	0.01
160	7.2	0.10
200	7.3	0.10
250	8.5	0.12
315	10.2	0.14
400	12.4	0.18
500	17.9	0.25
630	23.6	0.33
800	30.9	0.44
1000	38.8	0.55
1250	48.8	0.69
1600	59.1	0.84
2000	70.4	1.00
2500	64.9	0.92
3150	50.3	0.71
4000	42.9	0.61
5000	40.1	0.57

NRC 0.50
SAA 0.46

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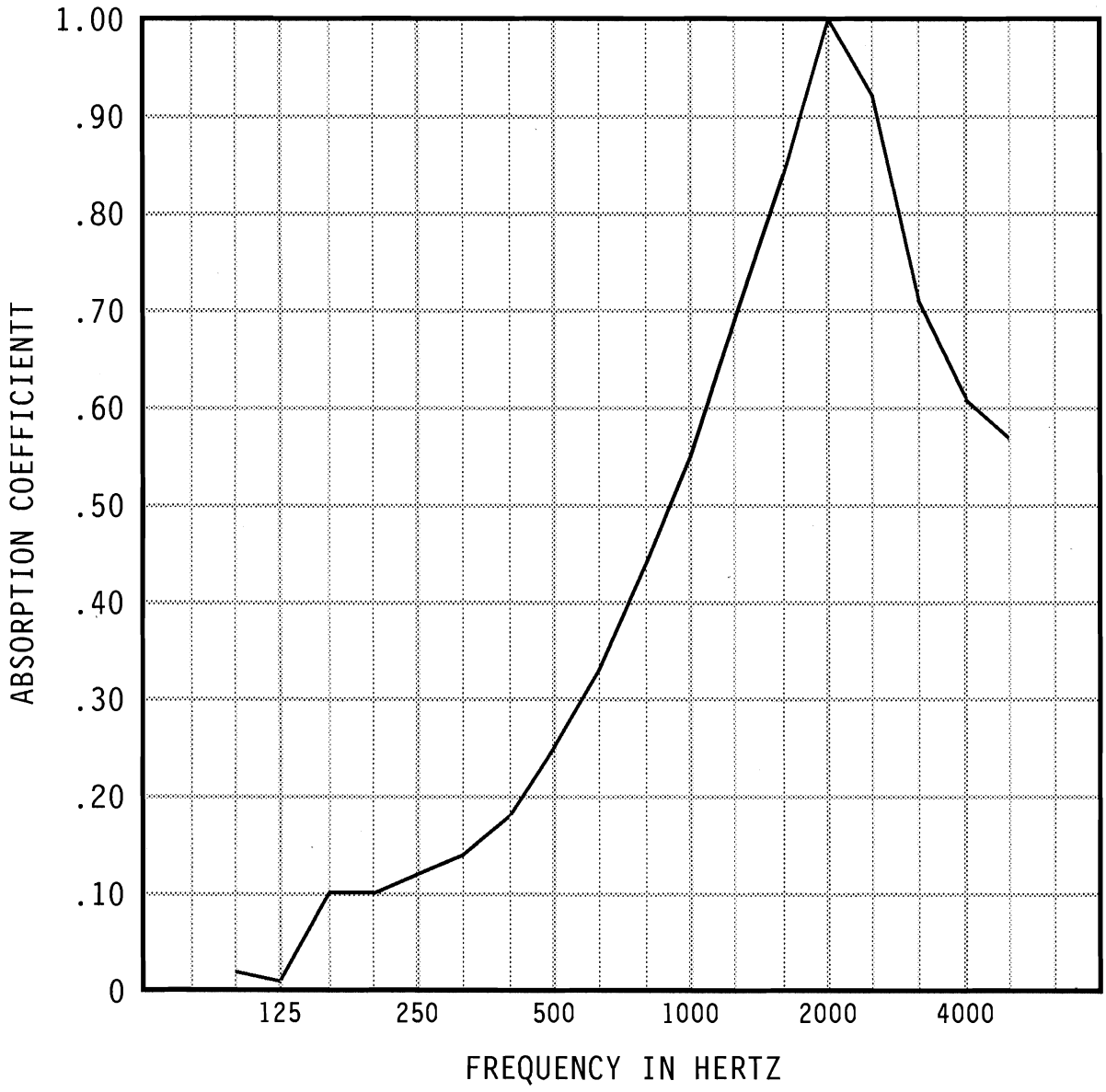

Specimen Area: 70.67 sq.ft.
Temperature: 69.3 deg. F
Relative Humidity: 43 %

NVLAP LAB CODE 100256-0