



WESTERN ELECTRO - ACOUSTIC LABORATORY

A division of Veneklasen Associates, Inc.

TESTING

• CALIBRATION

• RESEARCH

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SOUND ABSORPTION TEST REPORT NO. AB07-167

Double sided Nova Suede Curtain
("G-150" mounting)

CLIENT: All Noise Control
2731 Vista Parkway
WPB, FL 33411

Page 1 of 3
8 August 2007

TEST DATE: 7 August 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 All Noise Control Soundproofing acoustic curtain. A pole rod was threaded through grommets in the curtain and the rod was hung so that it extended 150 mm (6 inches) out from the test chamber wall. According to the client the curtain was:

Double Sided Double Fullness Nova Suede Brick with nocturne B/0

The net dimensions of the hanging curtain were 56 inches (1.42 m) wide by 58-3/4 inches (1.49 m) high. The overall weight of the specimen was 9.5 lbs. (4.31 kg). The area used to calculate the absorption coefficient was the projected area of the hanging pleated curtain.

Test results are presented on the following page.

Respectfully submitted,
Western Electro-Acoustic Laboratory



Gary E. Mange
Laboratory Manager



SOUND ABSORPTION TEST REPORT NO. AB07-167

TEST DATE: 7 August 2007

Page 2 of 3
8 August 2007

Mounting per ASTM E 795-00: Type G-125

Area tested: 22.17 ft² (2.06 m²)

Temperature: 78.1° F

Humidity: 51%

TEST RESULTS

1/3 Octave Band Absorption Data

Frequency in Hz	Absorption in Sabins	Absorption Coefficients
100	3.3	0.14
125	0.0	0.00
160	2.3	0.10
200	4.2	0.19
250	8.1	0.35
315	10.2	0.45
400	12.0	0.53
500	12.2	0.53
630	12.3	0.54
800	14.2	0.62
1000	14.8	0.65
1250	15.7	0.69
1600	15.4	0.68
2000	17.6	0.77
2500	18.0	0.79
3150	17.3	0.76
4000	15.7	0.69
5000	15.7	0.69

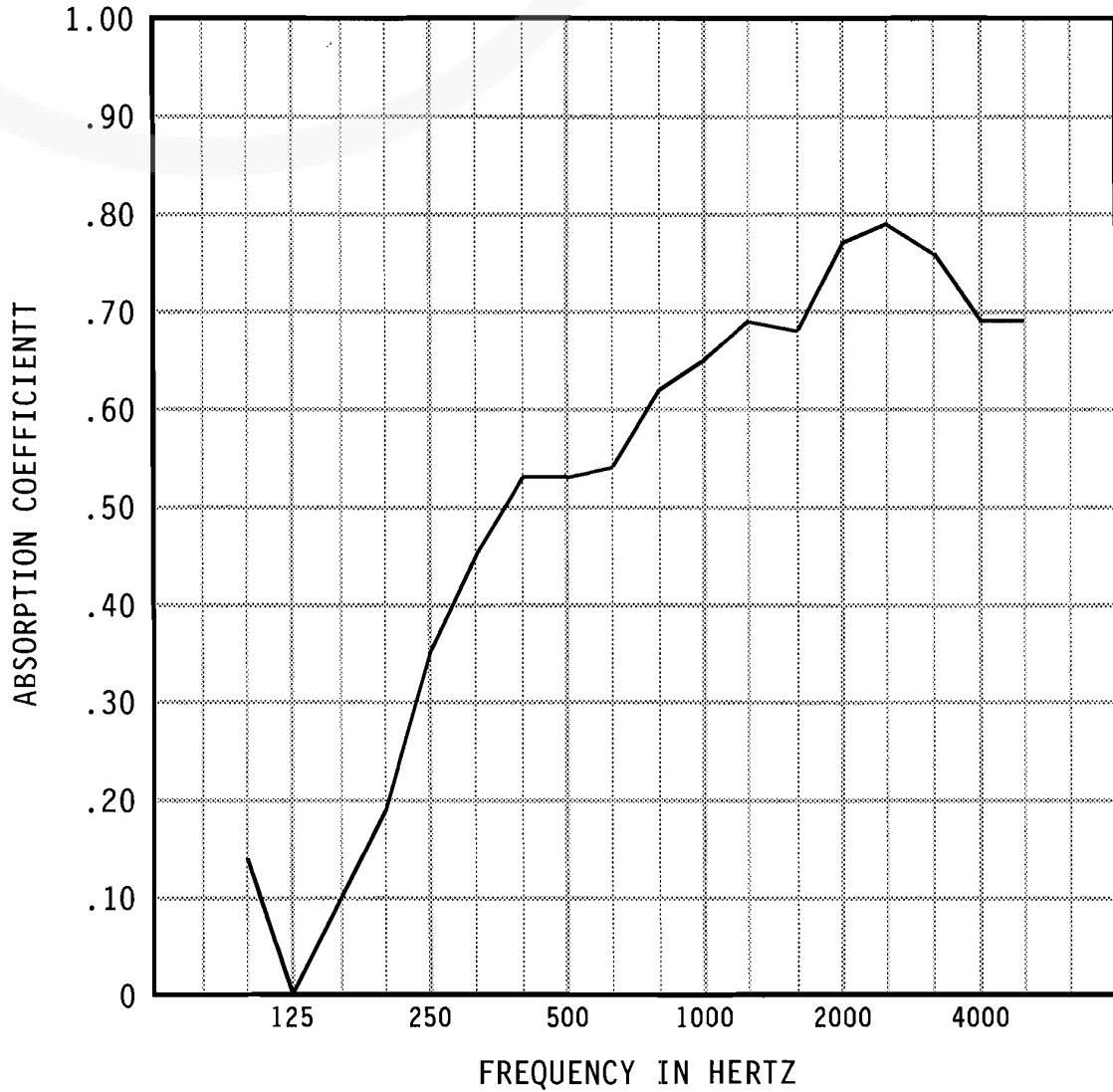
NRC 0.60
SAA 0.57

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SOUND ABSORPTION TEST REPORT NO. AB07-167

TEST DATE: 7 August 2007

Page 3 of 3
8 August 2007



Specimen Area: 22.85 sq.ft.
Temperature: 78.1 deg. F
Relative Humidity: 51 %

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