



WESTERN ELECTRO - ACOUSTIC LABORATORY

A division of Veneklasen Associates, Inc.

TESTING

• CALIBRATION

• RESEARCH

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SOUND ABSORPTION TEST REPORT NO. AB07-170

French Pleat Nova Suede Curtain
("G-125" mounting)

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

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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 a All Noise Control Soundproofing acoustic curtain. The curtain was hung on a traverse rod which extended 125 mm (5 inches) out from the test chamber wall. According to the client the curtain was:

French Pleat 2.5 Fullness Nova Suede Sky with nocturne B/0

The net dimensions of the hanging curtain were 54 inches (1.37 m) wide by 56.75 inches (1.44 m) high. The overall weight of the specimen was 10.5lbs. (4.76 kg). The area used to calculate the absorption coefficients 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



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Mounting per ASTM E 795-00: Type G-125
Area tested: 21.28 ft² (1.98 m²)
Temperature: 78.5° F
Humidity: 47%

TEST RESULTS

1/3 Octave Band Absorption Data

Frequency in Hz	Absorption in Sabins	Absorption Coefficients
100	4.4	0.21
125	0.0	0.00
160	1.6	0.07
200	0.1	0.00
250	1.2	0.05
315	8.5	0.40
400	5.8	0.27
500	8.0	0.38
630	8.4	0.40
800	11.6	0.55
1000	11.9	0.56
1250	11.8	0.56
1600	13.6	0.64
2000	15.4	0.72
2500	15.5	0.73
3150	14.0	0.66
4000	12.7	0.60
5000	11.8	0.56

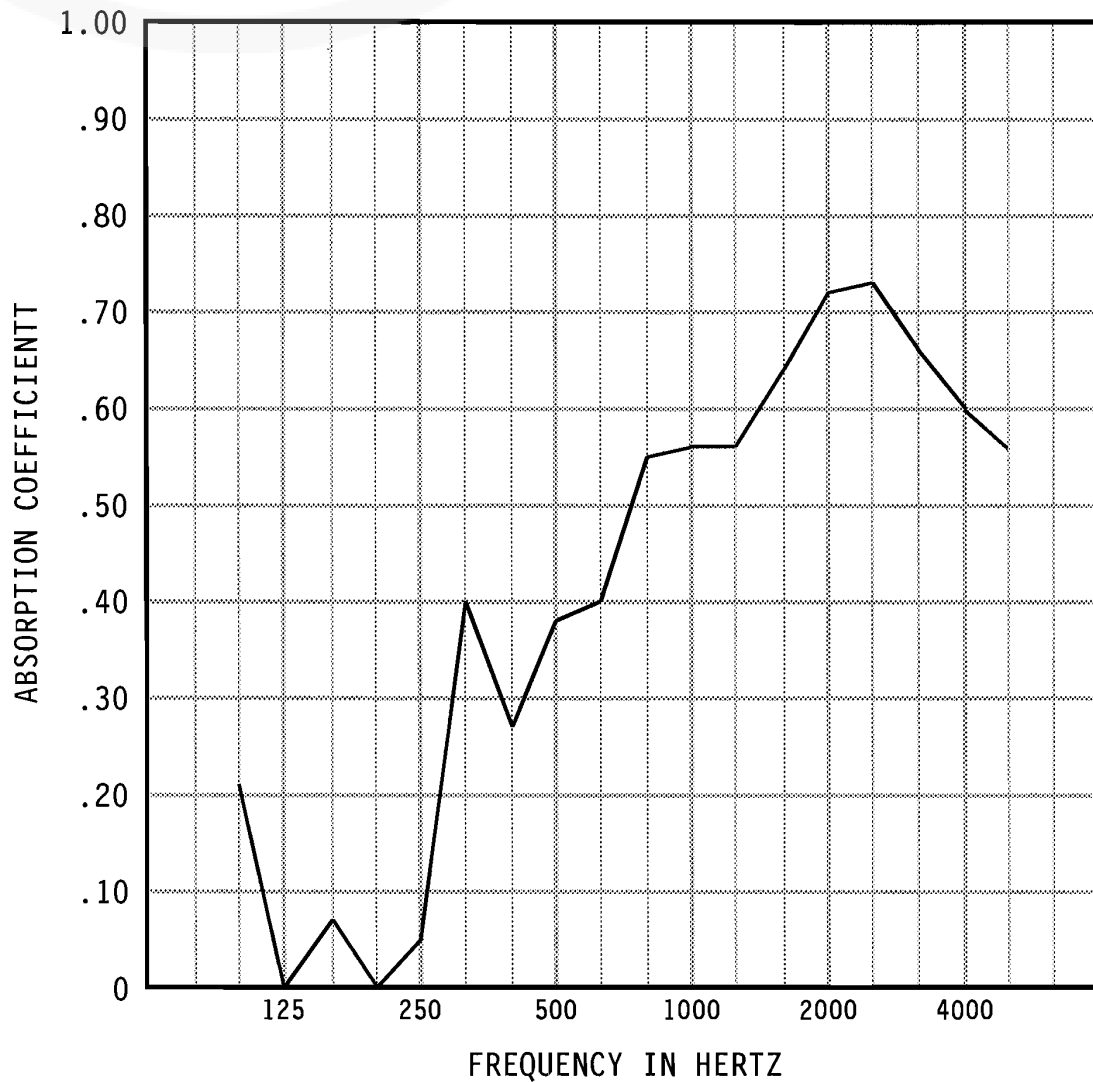
NRC 0.45
SAA 0.44

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Specimen Area: 21.28 sq.ft.
Temperature: 78.5 deg. F
Relative Humidity: 47 %

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