



## WESTERN ELECTRO - ACOUSTIC LABORATORY

A division of Veneklasen Associates, Inc.

TESTING

• CALIBRATION

• RESEARCH

25132 Rye Canyon Loop Santa Clarita, California 91355 Tel: (661) 775-3741 Fax: (661) 775-3742 www.weal.com

### SOUND ABSORPTION TEST REPORT NO. AB07-166

French Pleat Nova Suede Curtain  
("G-125" 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](http://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 56 inches (1.42 m) wide by 57 inches (1.45 m) high. The overall weight of the specimen was 7lbs. (3.18 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

## SOUND ABSORPTION TEST REPORT NO. AB07-166

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 ft<sup>2</sup> (2.06 m<sup>2</sup>)  
Temperature: 77.7° F  
Humidity: 57%

### TEST RESULTS

#### 1/3 Octave Band Absorption Data

Frequency in Hz	Absorption in Sabins	Absorption Coefficients
100	1.1	0.05
125	0.0	0.00
160	2.6	0.12
200	0.0	0.00
250	6.6	0.30
315	8.8	0.40
400	8.5	0.39
500	9.5	0.43
630	10.2	0.46
800	12.1	0.55
1000	14.0	0.63
1250	15.4	0.69
1600	15.5	0.70
2000	16.6	0.75
2500	16.1	0.73
3150	16.1	0.73
4000	15.6	0.70
5000	16.1	0.72

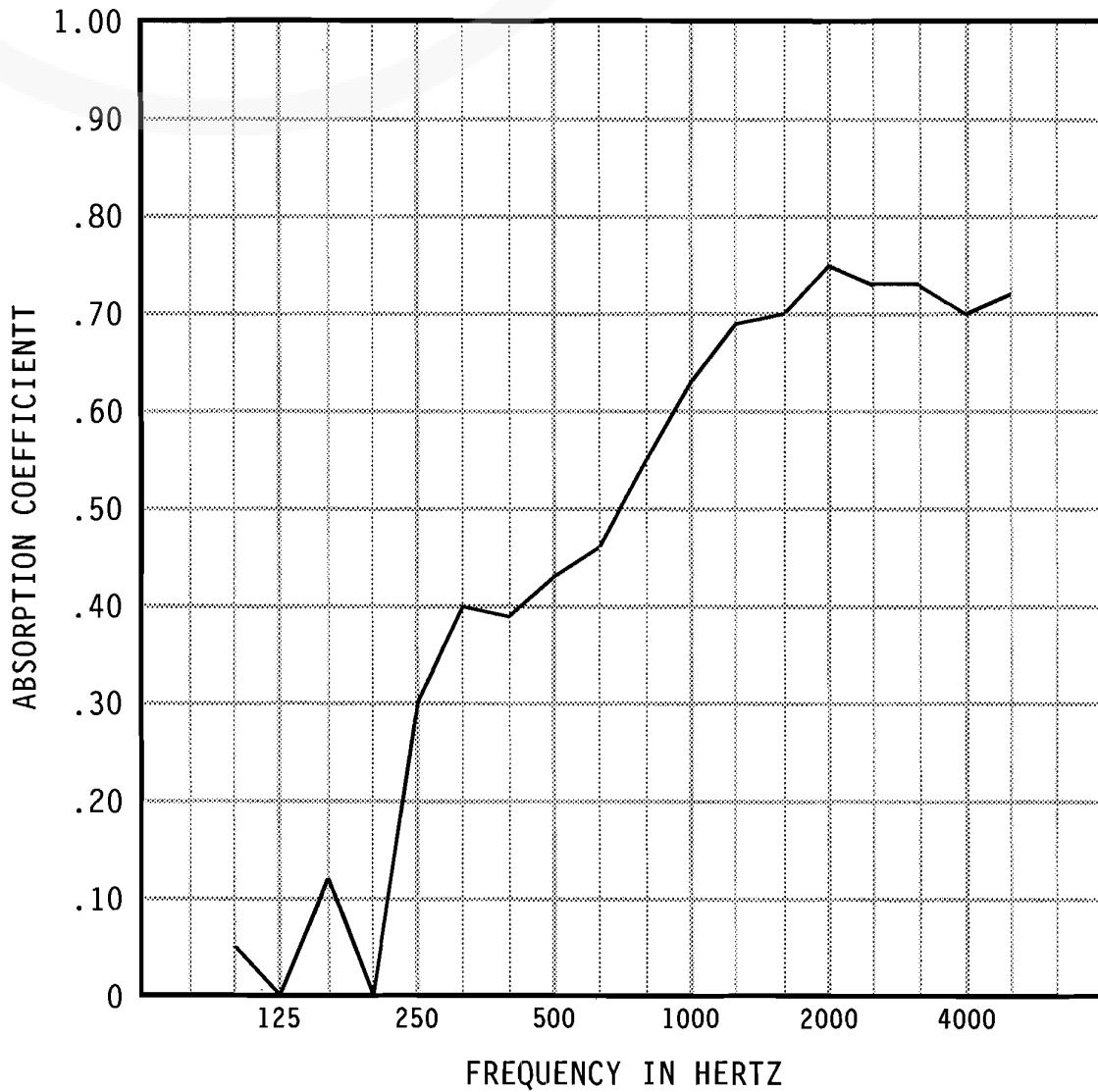
**NRC 0.55**  
**SAA 0.50**

Report must be distributed in its entirety except with written authorization from Western Electro-Acoustic Laboratory

# SOUND ABSORPTION TEST REPORT NO. AB07-166

TEST DATE: 7 August 2007

Page 3 of 3  
8 August 2007



Specimen Area: 22.17 sq.ft.

Temperature: 77.7 deg. F

Relative Humidity: 57 %

Report must be distributed in its entirety except with written authorization from Western Electro-Acoustic Laboratory