

## SOUND ABSORPTION TEST REPORT NO. AB11-130

Crescent Velour pleated, 2.5 Fullness, with 3 pass Flametrol backing  
(Type "G-125" mounting)

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

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8 August 2007

TEST DATE: 16 May 2011

### INTRODUCTION

The methods and procedures used for this test conform to the provisions and requirements of ASTM Procedure C 423-08, 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. This report must not be used to claim product certification, approval, or endorsement by WEAL, NVLAP, NIST or any agency of the federal 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:

Crescent Velour pleated, 2.5 Fullness, with 3 pass Flametrol backing

The net dimensions of the hanging curtain were 1.42 m (56 inches) wide by 1.42 m (56 inches) high. The overall weight of the specimen was 4.65 kg (10.3 lbs.). 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: 21.78 ft<sup>2</sup> (2.02 m<sup>2</sup>)  
Temperature: 71.8°  
Humidity: 47.3%  
Pressure: 28.65 in. of Hg

### TEST RESULTS

#### 1/3 Octave Band Absorption Data

Frequency in Hz	Absorption in Sabins	Absorption Coefficients
100	0.0	0.00
125	0.8	0.04
160	7.9	0.36
200	10.1	0.46
250	9.3	0.43
315	16.5	0.76
400	22.8	1.05
500	23.1	1.06
630	21.7	1.00
800	21.5	0.99
1000	21.7	0.99
1250	21.2	0.97
1600	22.9	1.05
2000	23.0	1.06
2500	22.5	1.03
3150	25.6	1.17
4000	25.1	1.15
5000	26.5	1.22

**NRC 0.90**  
**SAA 0.90**

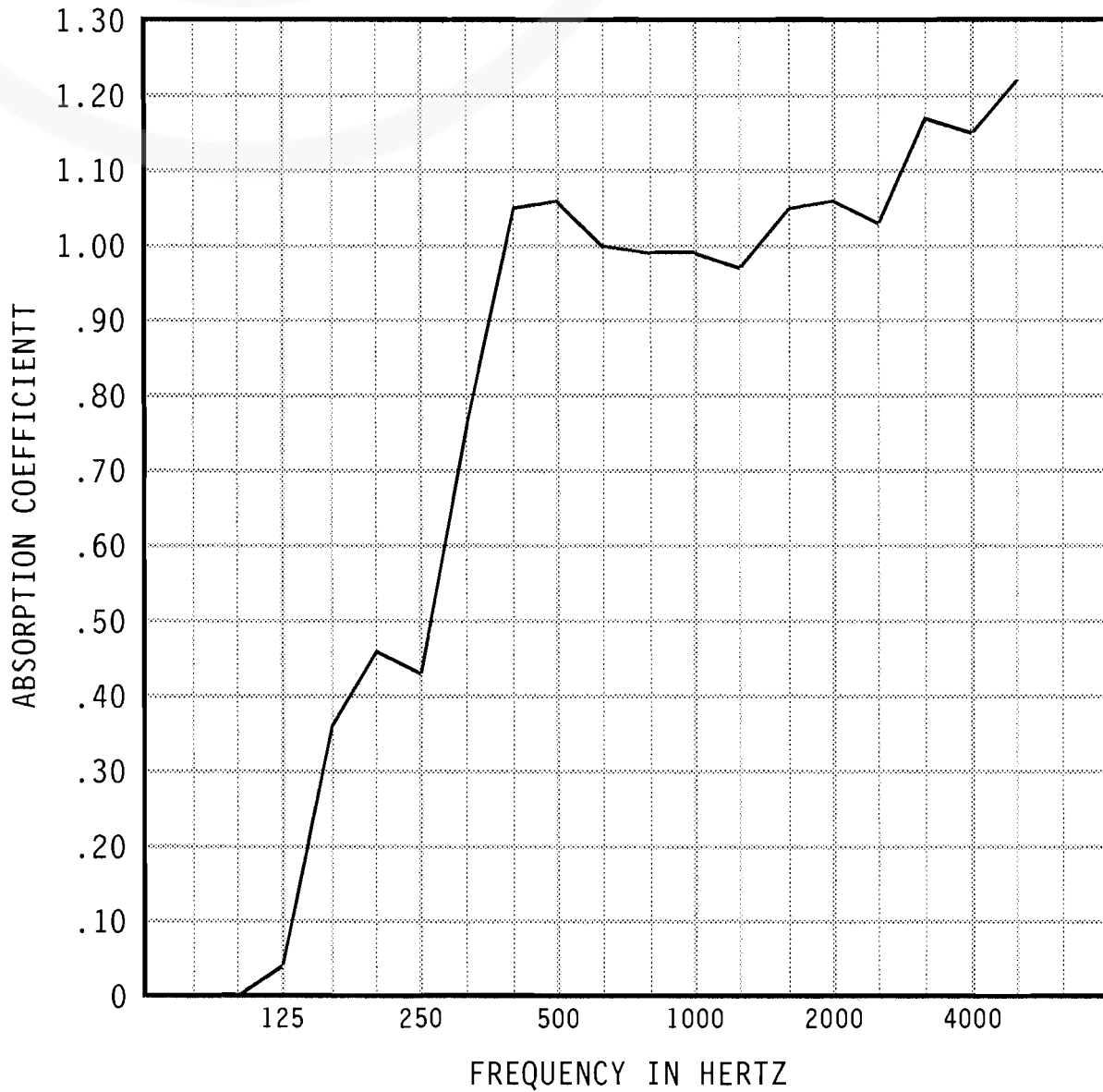
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Specimen Area: 21.78 sq.ft.

Temperature: 71.8 deg. F

Relative Humidity: 47.3 %

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