



Title: Sound Absorption Test Results

Product: 1" Sound Silencer

Application: Wall and Ceiling

Testing Standard: ASTM C423 A-Mount with 12" spacing between panels

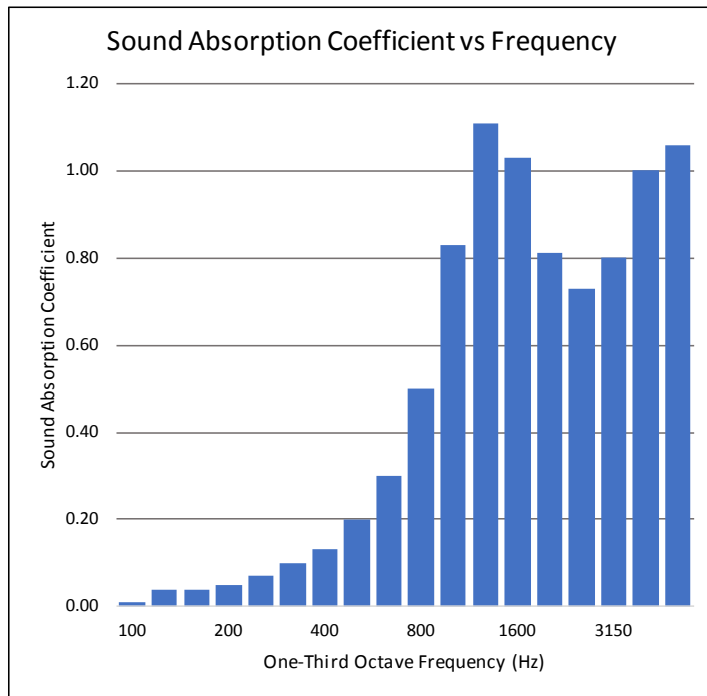
Test Date: 10/30/2002

Why this test: This test evaluates a products efficiency of absorbing sound at multiple frequencies. The test simulates the product's acoustical performance with a direct installation on a wall or ceiling.

Test Result Summary: NRC - 0.50; SAA - 0.49

NRC	SAA
0.50	0.49

Frequency (Hz)	Absorption Coefficient
100	0.01
125	0.04
160	0.04
200	0.05
250	0.07
315	0.10
400	0.13
500	0.20
630	0.30
800	0.50
1000	0.83
1250	1.11
1600	1.03
2000	0.81
2500	0.73
3150	0.80
4000	1.00
5000	1.06



ASI TEST RESULT DISCLAIMER

ASI makes every effort to ensure the accuracy and reliability of the information provided. Laboratory testing is conducted by independent testing organizations. ASI does not guarantee that field tests or independent tests will not vary.

Filename
Test#8-1 PEPP

Project Folder **Client**
 Acoustical Surfaces

Product **Model #** **Quantity** **Comment**
Absorption Material 1 1" PEPP, 12" spacing

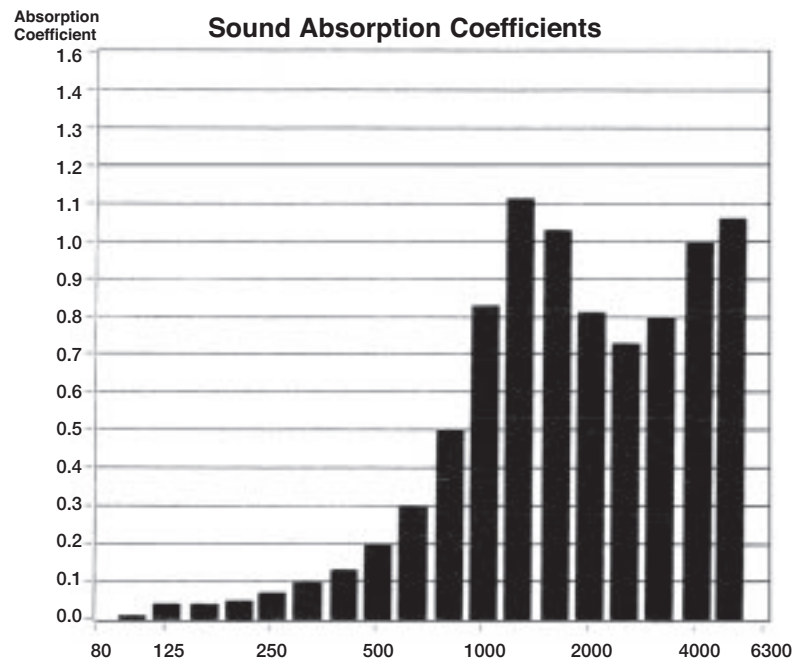
Sample Size – Wt **Sample Description #** **Type A Mounting**
95.0 in x 95.5 in x – 0 lbs. 8 Panels – 1" PEPP Arranged in 2 x 4 Fashion : with 12" spacing between all panels :

Time Stamp
Wed. Oct. 30, 2002 – 11:32 AM

Total Sample Area 63.0 ft²

ASTM C423 – Sound Absorption

F (Hz)	Absorption Coefficient	Absorption (Sabins)*
100	0.01	0.49
125	0.04	2.65
160	0.04	2.34
200	0.05	3.39
250	0.07	4.48
315	0.10	6.16
400	0.13	8.35
500	0.20	12.85
630	0.30	18.79
800	0.50	31.67
1000	0.83	52.55
1250	1.11	69.95
1600	1.03	64.97
2000	0.81	50.86
2500	0.73	46.27
3150	0.80	50.40
4000	1.00	63.05
5000	1.06	66.56



Temp (*C) **R.H. (%)** **ATM (mbar)**
22.0 63 990

*Total absorption based on 63.0 ft²

SAA = 0.49 NRC = 0.50