



Title: Sound Absorption Test Results

Product: 2" Sound Silencer with 1" Echo Eliminator backer

Application: Wall and Ceiling

Testing Standard: ASTM C423 C-25 Mount

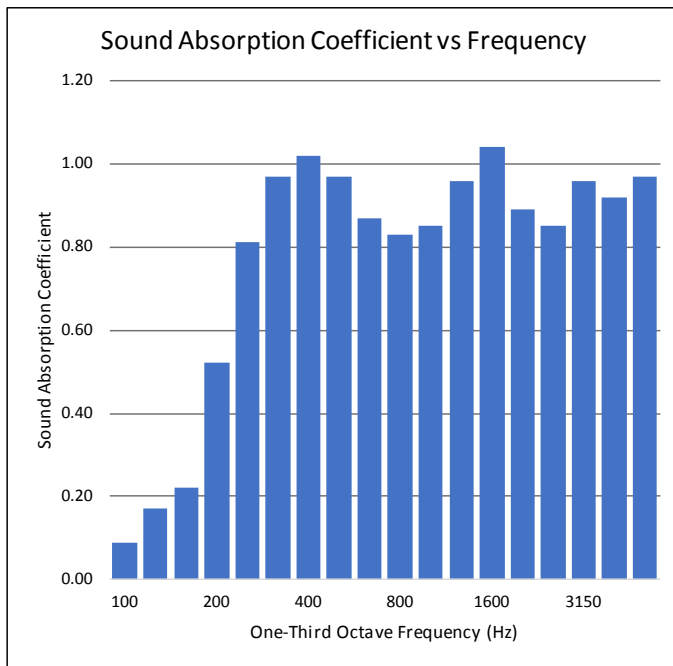
Test Date: 10/30/2002

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 - 0.90; SAA - 0.88

NRC	SAA
0.90	0.88

Frequency (Hz)	Absorption Coefficient
100	0.09
125	0.17
160	0.22
200	0.52
250	0.81
315	0.97
400	1.02
500	0.97
630	0.87
800	0.83
1000	0.85
1250	0.96
1600	1.04
2000	0.89
2500	0.85
3150	0.96
4000	0.92
5000	0.97



Test ID: Test#4-2 PEPP

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.

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Filename

ASTM C423 – Sound Absorption

Project Folder

Client

Product

Model #

Quantity

Comment

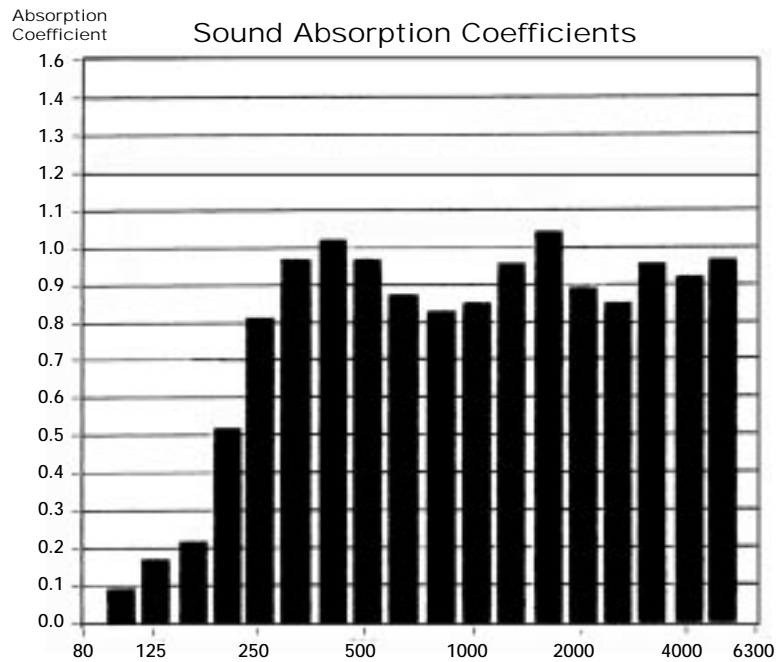
Sample Size – Wt

Sample Description #

Time Stamp

Total Sample Area

F (Hz)	Absorption Coefficient	Absorption (Sabins)*
100	0.09	5.75
125	0.17	10.61
160	0.22	13.61
200	0.52	32.74
250	0.81	50.80
315	0.97	60.87
400	1.02	64.54
500	0.97	60.83
630	0.87	54.82
800	0.83	52.42
1000	0.85	53.73
1250	0.96	60.74
1600	1.04	65.54
2000	0.89	56.02
2500	0.85	53.75
3150	0.96	60.33
4000	0.92	58.00
5000	0.97	61.10



2" PEPP
 Tested
 with 1"
 BAP
 Backer

Temp (*C) R.H. (%) ATM (mbar)

*Total absorption based on 63.0 ft²

$SAA = 0.88$ $NRC = 0.90$