



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

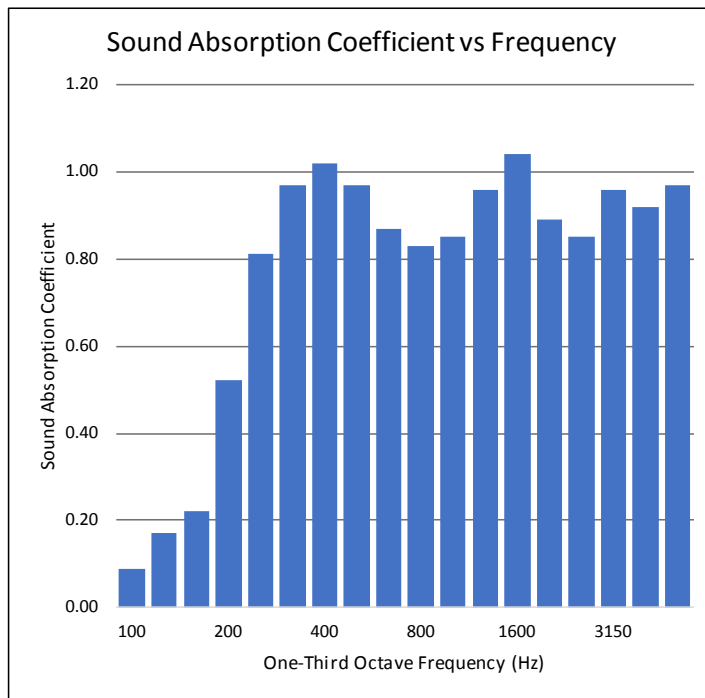
Test Date: 10/30/2002

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



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

ASTM C423 - Sound Absorption

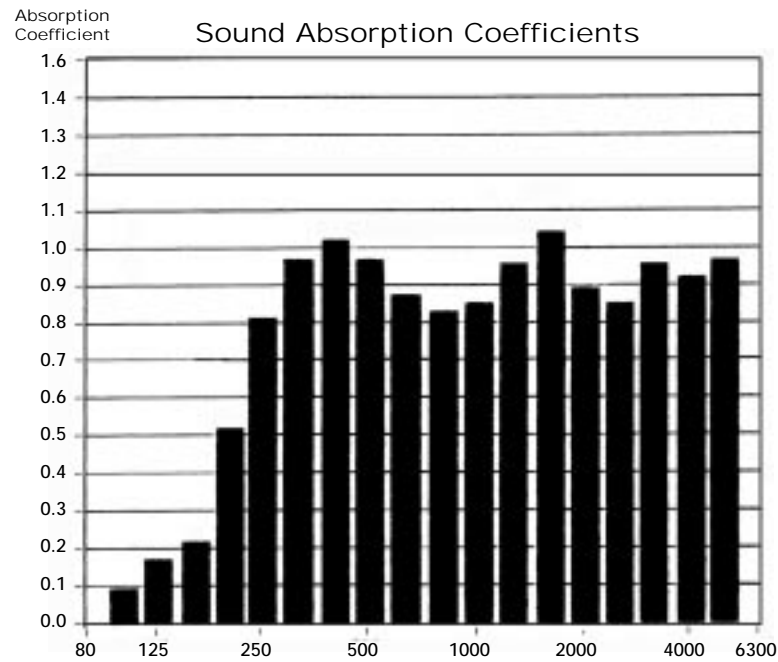
Project Folder Client Product Model # Quantity Comment

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



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

*Total absorption based on 63.0 ft²

SAA = 0.88 NRC = 0.90