



Title: Sound Absorption Test Results

Product: 2" Sound Silencer

Application: Wall or Ceiling

Testing Standard: ASTM C423 A Mount

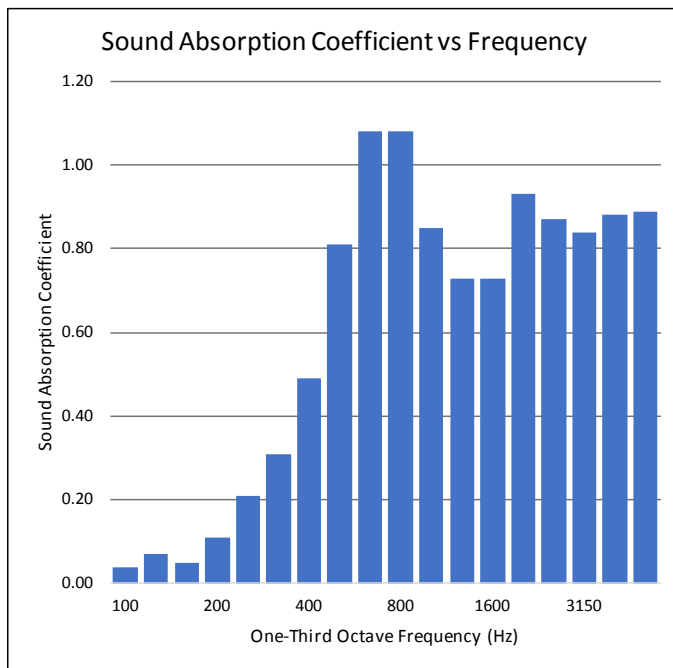
Test Date: 10/30/2002

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

Test Result Summary: NRC - 0.70; SAA - 0.68

NRC	SAA
0.70	0.68

Frequency (Hz)	Absorption Coefficient
100	0.04
125	0.07
160	0.05
200	0.11
250	0.21
315	0.31
400	0.49
500	0.81
630	1.08
800	1.08
1000	0.85
1250	0.73
1600	0.73
2000	0.93
2500	0.87
3150	0.84
4000	0.88
5000	0.89



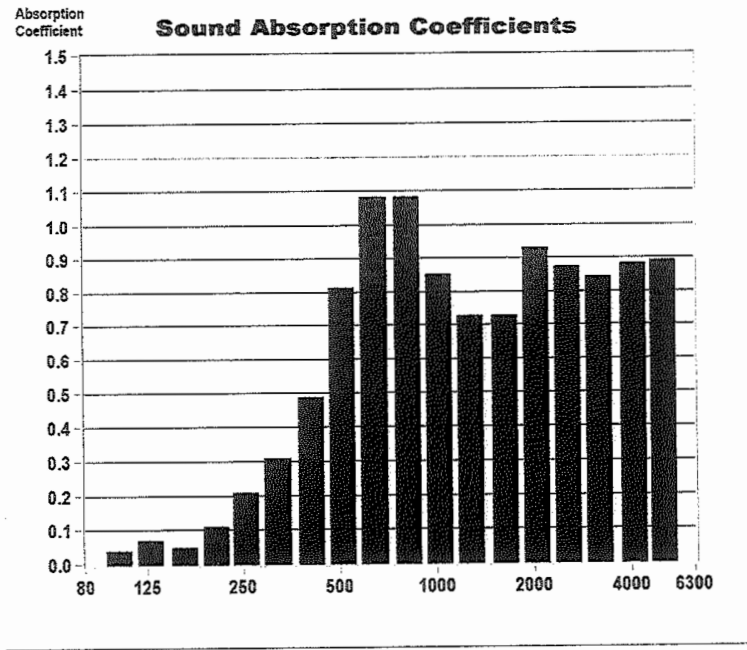
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Filename Test#3-2PEPP		ASTM C423 - Sound Absorption			
Project Folder 389	Client Acoustical Surfaces	Product Absorption Material	Model #	Quantity 1	Comment 2" PEPP,
Sample Size - Wt. 95.0 in x 95.5 in x - 0 lbs		Sample Description # 8 Panels - 2" PEPP ARRANGED IN 2X4 FASHION : with no spacing			
Time Stamp Wed, Oct 30, 2002 - 9:50 AM		Type A Mounting			
		Total Sample Area 63.0 ft²			

F (Hz)	Absorption Coefficient	Absorption (Sabins)*
100	0.04	2.80
125	0.07	4.71
160	0.05	3.28
200	0.11	7.03
250	0.21	13.31
315	0.31	19.31
400	0.49	30.86
500	0.81	50.74
630	1.08	67.85
800	1.08	68.27
1000	0.85	53.33
1250	0.73	45.84
1600	0.73	45.70
2000	0.93	58.78
2500	0.87	54.89
3150	0.84	52.91
4000	0.88	55.60
5000	0.89	55.96



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

SAA = 0.68 NRC = 0.70

* total absorption based on 63.0 ft²

All tests conducted at Stork-Twin City, NVLAP accredited Acoustical Test Lab.
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