



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

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We Identify and **S.T.O.P.** Your Noise Problems

Filename

Test#1 - 1 PEPP

ASTM C423 – Sound Absorption

Project Folder

Client

Product

Model #

Quantity

Comment

0251389

Acoustical Surfaces

Absorption Material

1

1" PEPP

Sample Size – Wt

Sample Description #

95.0 in x 95.5 in x – 0 lbs.

8 Panels – 1" PEPP Arranged in 2 x 4 Fashion :

Time Stamp

Wed. Oct. 30, 2002 – 9:11 AM

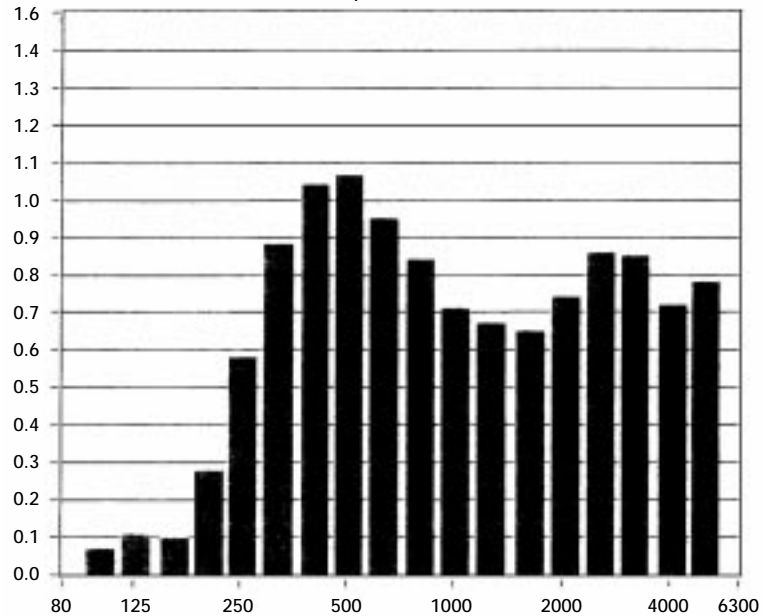
Total Sample Area

63.0 ft²

F (Hz)	Absorption Coefficient	Absorption (Sabins)*
100	0.02	1.32
125	0.05	3.00
160	0.02	1.57
200	0.05	3.10
250	0.06	3.95
315	0.10	6.09
400	1.14	8.68
500	0.21	13.08
630	0.30	18.94
800	0.50	31.20
1000	0.80	50.28
1250	1.02	64.16
1600	0.89	56.00
2000	0.65	40.90
2500	0.55	34.48
3150	0.60	37.59
4000	0.75	47.39
5000	0.71	44.78

Absorption Coefficient

Sound Absorption Coefficients



Temp (*C)

R.H. (%)

ATM (mbar)

22.0

63

990

*Total absorption based on 63.0 ft²

$$SAA = 0.44 \quad NRC = 0.45$$