



# 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#2 - 1 PEPP

## ASTM C423 – Sound Absorption

Project Folder	Client	Product	Model #	Quantity	Comment
	Acoustical Surfaces	Absorption Material		1	1" PEPP, with 1" bonded pad

**Sample Size – Wt**

95.0 in x 95.5 in x – 0 lbs.

**Sample Description #**

8 Panels – 1" PEPP Arranged in 2 x 4 Fashion : with 1" Bonded pad below PEPP. :

**Time Stamp**

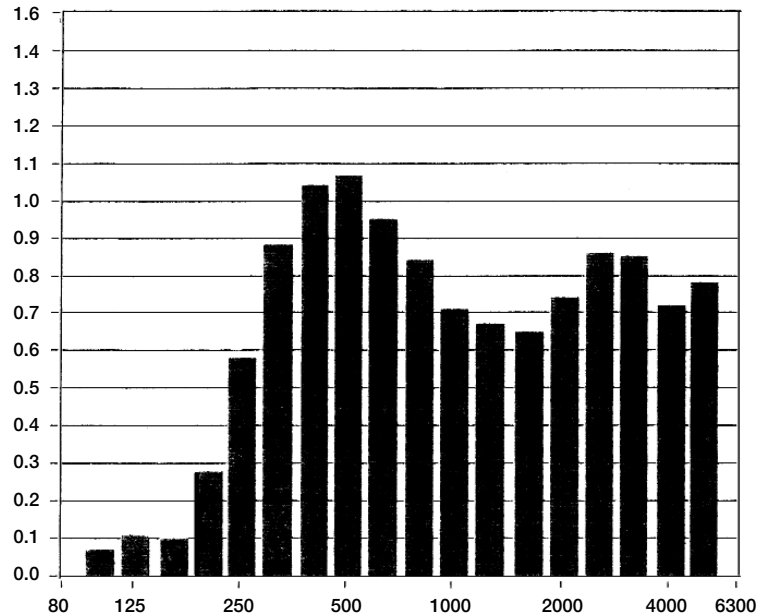
Wed. Oct. 30, 2002 – 9:30 AM

**Total Sample Area** 63.0 ft<sup>2</sup>

F (Hz)	Absorption Coefficient	Absorption (Sabins)*
100	0.07	4.38
125	0.11	7.23
160	0.10	6.10
200	0.28	17.64
250	0.58	36.82
315	0.88	55.16
400	1.04	65.32
500	1.07	67.38
630	0.95	59.74
800	0.84	52.79
1000	0.71	44.99
1250	0.67	42.02
1600	0.65	41.01
2000	0.74	46.57
2500	0.86	54.32
3150	0.85	53.55
4000	0.72	45.31
5000	0.78	49.26

Absorption Coefficient

### Sound Absorption Coefficients



**1" PEPP  
 Tested  
 with 1"  
 BAP  
 Backer**

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

**22.0**      **63**      **990**

\*Total absorption based on 63.0 ft<sup>2</sup>

**SAA = 0.77    NRC = 0.80**