

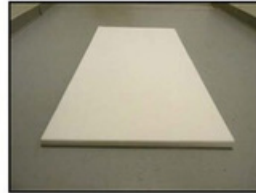


Western Noise Control

Engineered Acoustic Solutions

SAMPLE IDENTIFICATION:

Sample #1, Model # : 1" Polyester Panel
Panel Size : 24" x 48" x 1"
Average Panel Weight : 4.1-lbs (0.5-psf)
Quantity of Panels: 9
Area tested : 72-ft²
Specimen Description : The material was in panel form.



TEST METHOD:

Sound Absorption Test

ASTM C 423-09, "Sound Absorption and Sound Absorption Coefficient by the Reverberation Room Method", was followed in every respect. The samples were tested in a Type A mounting (on the floor).

NRC was calculated by rounding the sound absorption coefficients for 250, 500, 1000 and 2000 Hz to the nearest 0.05. SAA was calculated by rounding the sound absorption coefficients for the twelve frequencies from 200 Hz to 2500 Hz to the nearest 0.01.

TEST EQUIPMENT:

<u>Manufacturer</u>	<u>Model</u>	<u>Description</u>	<u>S/N</u>
Norwegian Electronics	NE830	Real Time Analyzer	10722
Brüel & Kjær	3923	Rotating Microphone Boom	815424
Norsonic (Source Rm)	1230	Pressure Condenser Microphone	26361
Brüel & Kjær (Term Rm)	4192	Pressure Condenser Microphone	2360314

REMARKS:

The test sample will be retained for a period of **15-days** and then discarded unless notified by the client.

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Stork Twin City Testing Corporation is an operating unit of Stork Materials Technology B.V., Amsterdam, The Netherlands, which is a member of the Stork Group





TEST DATA:

Filename:

ASTM C423 - Sound Absorption

Product	Model #	Quantity	Comment
1" Acoustic Panels	Echofelt+	1	

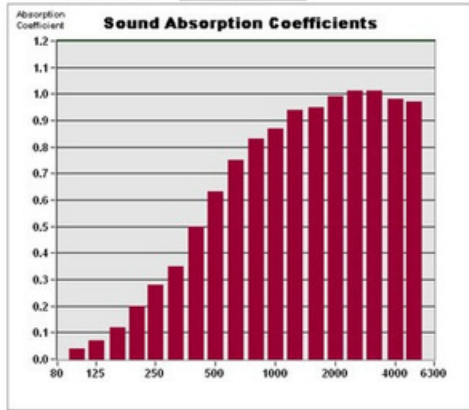
Sample Size - Wt. Sample Description

Hueintek Inc.

Time Stamp

Total Sample Area

F (Hz)	Absorption Coefficient	Absorption (Sabins)*
100	0.04	2.87
125	0.07	5.16
160	0.12	8.53
200	0.20	14.17
250	0.28	20.06
315	0.35	25.23
400	0.50	36.15
500	0.63	45.52
630	0.75	53.71
800	0.83	59.97
1000	0.87	62.51
1250	0.94	67.90
1600	0.95	68.12
2000	0.99	71.59
2500	1.01	72.80
3150	1.01	72.48
4000	0.98	70.60
5000	0.97	70.12



Temp (°C) RH (%) ATM (mbar)

* total absorption based on 72.0 ft²

SAA = 0.69 NRC = 0.70

