

POLYSORB, LLC

TEST REPORT

SCOPE OF WORK

100% POLYESTER FIBER ACOUSTIC PANEL 12MM / 1/2"

REPORT NUMBER

200421005SHF-001

TEST DATE(S)

2020-04-21 - 2020-04-27

ISSUE DATE

2020-04-27

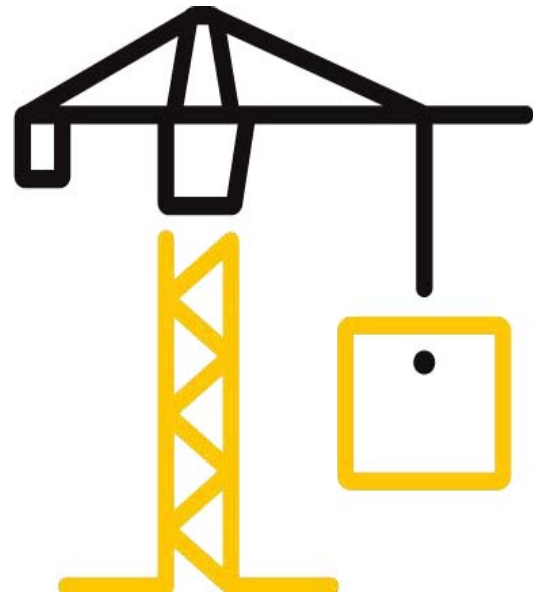
PAGES

6

DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10k(May 1, 2019)

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Test Report

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Test Report

Issue Date: 2020-04-27 Intertek Report No. 200421005SHF-001
Applicant: POLYSORB ARCHITECTURAL AUDIO ABSORPTION SOLUTIONS
Address: 4813 8th Avenue NW, Seattle, WA 98107
Attn: Jasmine Shao
Manufacturer : POLYSORB ARCHITECTURAL AUDIO ABSORPTION SOLUTIONS
Address : 4813 8th Avenue NW, Seattle, WA 98107
Test Type : Performance test, samples provided by the applicant.

Product Information

Product Name	100% POLYESTER FIBER ACOUSTIC PANEL	Brand	/
Sample Description	Good Condition	Sample Amount	5 pcs
		Received Date	2020-04-10
Sample ID	Model	Specification	
S200421005SHF.001	/	12mm / 1/2"	

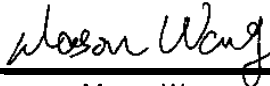
Test Methods And Standards

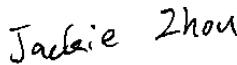
Test Standard	ASTM C423-17
Specification Standard	ASTM C423-17
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1.This report relates specifically to the sample(s) that were drawn and provided by the applicant or their nominated third party. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and/or shipment and only relate to the sample(s) as received and tested.

Report Authorized


Name: Mason Wang
Title: Reviewer


Name: Jackie Zhou
Title: Project Engineer



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Test Items, Method and Results:

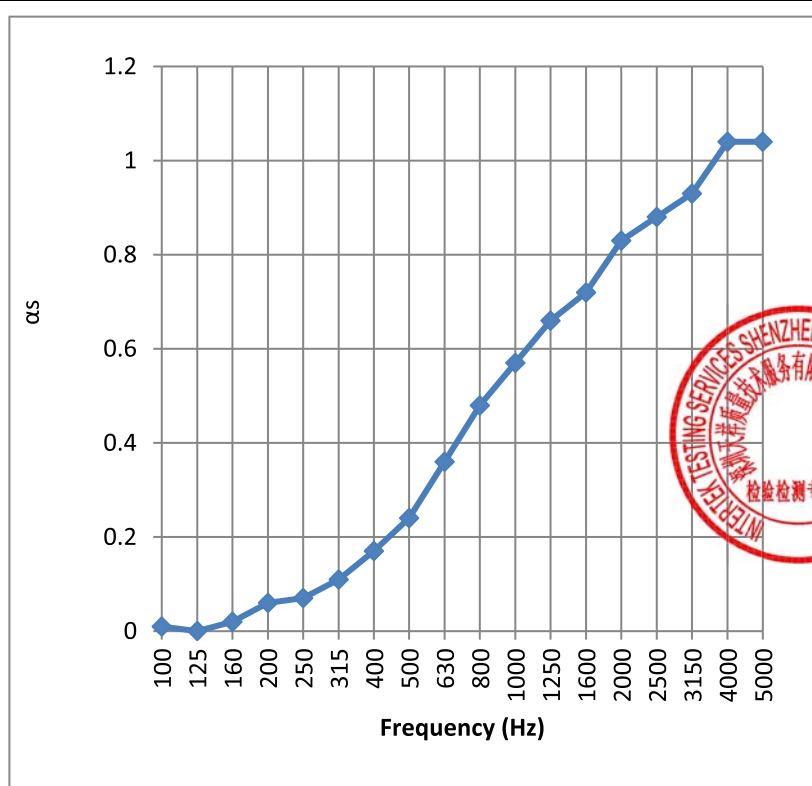
Test Method: ASTM C423-17 Sound Absorption Coefficients

Volume of the reverberation room	Vs, m ³	240	Installation Type ¹ :	Type-A
Room temperature	t1, °C	17	t2, °C	17
Relative humidity of test rooms	H1,%	75	H2,%	75

Sample description:

Sample size (width*length),mm	2440*1220	Thickness, mm	12.0
Edge treatment	/	Mass, kg/m ²	2.30
Test Area, m ²	10.8		

Frequency (Hz)	αs
100	0.01
125	0.00
160	0.02
200	0.06
250	0.07
315	0.11
400	0.17
500	0.24
630	0.36
800	0.48
1000	0.57
1250	0.66
1600	0.72
2000	0.83
2500	0.88
3150	0.93
4000	1.04
5000	1.04
NRC	0.45
SAA	0.43



Note: 1. Installation type was defined in accordance with ASTM E795-16.

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Test Photos:



Test set up



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Appendix A: Sample Received Photo



Revision:

NO.	Date	Changes	Author	Reviewer
200421005SHF-001	2020-04-27	First issue	Mason Wang	Jackie Zhou

