

Shanghai Kingkus New Material Co., Ltd.

TEST REPORT

SCOPE OF WORK

Kuspanel Polyester fiber panels

REPORT NUMBER

250226003SHF-007

TEST DATE(S)

2025-02-26 - 2025-03-24

ORIGINAL ISSUE DATE

2025-03-24

PAGES

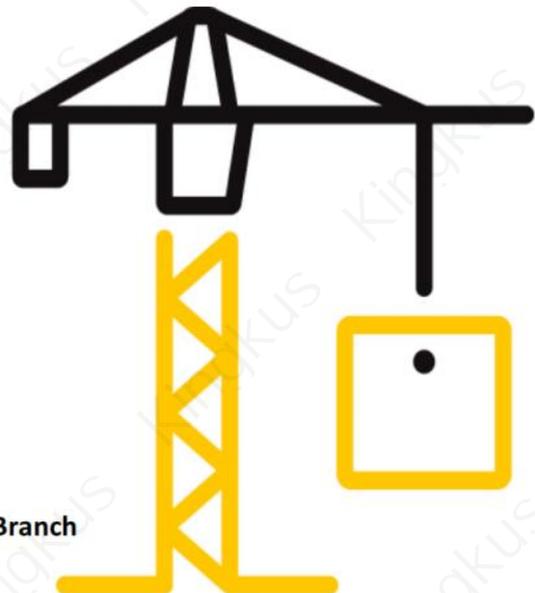
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DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10k(January 13, 2025)

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

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- 9.The report was digital signed by Shang Hai, Intertek Group plc, please using Adobe Acrobat Reader to verify the authenticity.

Test Report

Original Issue Date: 2025-03-24

Intertek Report No. 250226003SHF-007

Applicant: Shanghai Kingkus New Material Co., Ltd.

Address: 602, No. 7, PowerLong Business Center, Lane 689 Hope Road, Jiading New City, Malu Town, Jiading District, Shanghai 201801, China

Attn: Vicente Wales

Manufacturer: Jiangsu Gamution New Material Technology CO.,Ltd. (Kingkus Branch)

Address: No.11, Changsheng Industrial Park, Renkun Road, Renyang District Zhitang Town, Changshu city, Jiangsu Province, China, Postcode 215539

Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	Model	Specification
Kuspanel Polyester fiber panels	KP-Color	2440*1220*24mm 4000gsm
Sample ID	Sample Amount	Sample Received Date
S250226003SHF.004	6 pcs	2025-02-24
Sample Description		Brand
2440*1220*24mm 4000gsm		Kingkus

Test Methods And Standards

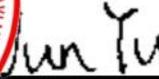
Test Standard	ASTM C423-23 ^{E1}
Specification Standard	/
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1. This report does not involve sampling. The report only reflects conformity of the tested items of the samples provided by the testing applicant. Representativeness and authenticity of the submitted samples are responsibilities of the testing applicant.

Report Authorized



Name: Jodie Zhou
Title: Reviewer

Name: Jun Yun
Title: Project Engineer

Test Report

Original Issue Date: 2025-03-24

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Test Items, Method and Results:

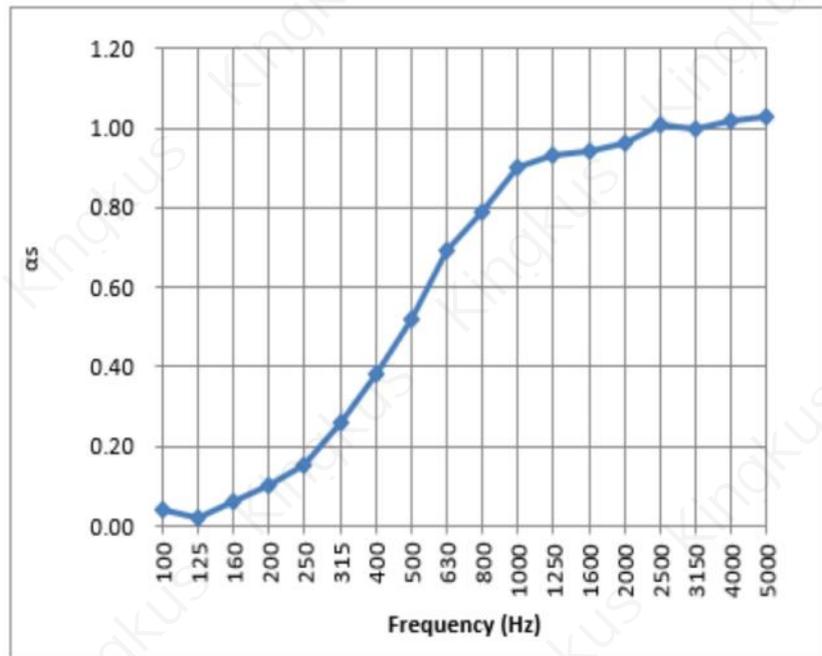
Test Method: ASTM C423-23^{e1} Sound Absorption Coefficients

Volume of the reverberation room	Vs, m ³	240	Installation Type:	Type A
Room temperature	t1, °C	13	t2, °C	13
Relative humidity of test rooms	H1,%	70	H2,%	70

Sample description:

Sample size (width*length),mm	1220*2440	Thickness, mm	24.0
Edge treatment	/	Mass, kg/m ²	4.87
Test Area, m ²	10.8		

Frequency (Hz)	α_s
100	0.04
125	0.02
160	0.06
200	0.10
250	0.15
315	0.26
400	0.38
500	0.52
630	0.69
800	0.79
1000	0.90
1250	0.93
1600	0.94
2000	0.96
2500	1.01
3150	1.00
4000	1.02
5000	1.03
NRC	0.65
SAA	0.64



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Appendix A: Test Photos



Type A Test set up

Test Report

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Test Items, Method and Results:

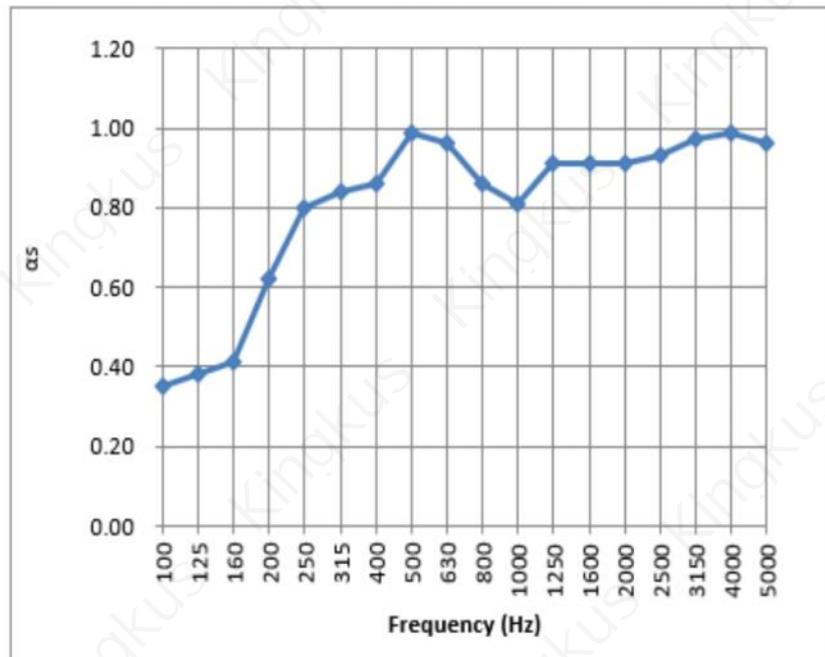
Test Method: ASTM C423-23^{e1} Sound Absorption Coefficients

Volume of the reverberation room	Vs, m ³	240	Installation Type:	E200
Room temperature	t1, °C	13	t2, °C	13
Relative humidity of test rooms	H1,%	70	H2,%	70

Sample description:

Sample size (width*length),mm	1220*2440	Thickness, mm	24.0
Edge treatment	/	Mass, kg/m ²	4.87
Test Area, m ²	10.8		

Frequency (Hz)	αs
100	0.35
125	0.38
160	0.41
200	0.62
250	0.80
315	0.84
400	0.86
500	0.99
630	0.96
800	0.86
1000	0.81
1250	0.91
1600	0.91
2000	0.91
2500	0.93
3150	0.97
4000	0.99
5000	0.96
NRC	0.90
SAA	0.87



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Appendix B: Test Photos



E200 Test set up

Test Report

Original Issue Date: 2025-03-24

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Test Items, Method and Results:

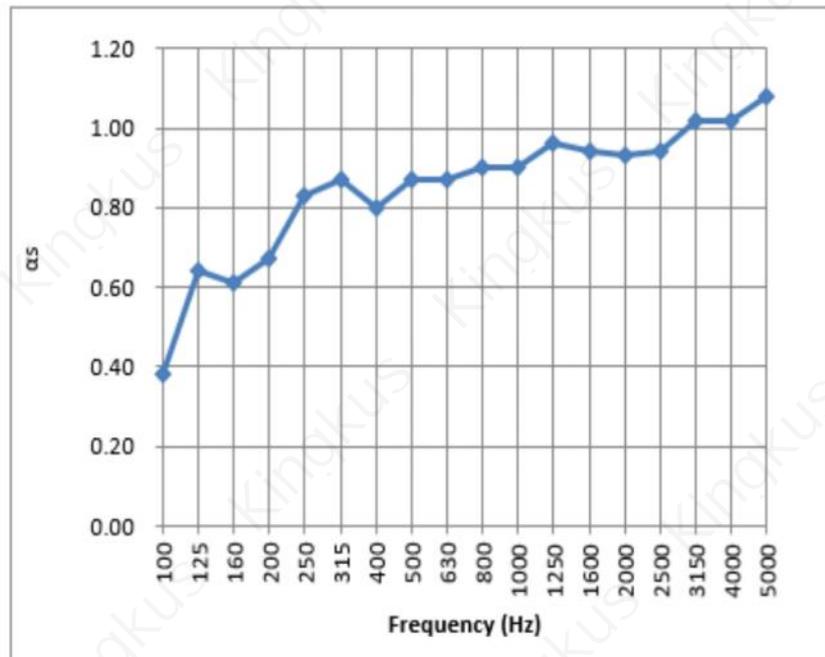
Test Method: ASTM C423-23^{e1} Sound Absorption Coefficients

Volume of the reverberation room	Vs, m ³	240	Installation Type:	E400
Room temperature	t1, °C	15	t2, °C	15
Relative humidity of test rooms	H1,%	60	H2,%	60

Sample description:

Sample size (width*length),mm	1220*2440	Thickness, mm	24.0
Edge treatment	/	Mass, kg/m ²	4.87
Test Area, m ²	10.8		

Frequency (Hz)	α_s
100	0.38
125	0.64
160	0.61
200	0.67
250	0.83
315	0.87
400	0.80
500	0.87
630	0.87
800	0.90
1000	0.90
1250	0.96
1600	0.94
2000	0.93
2500	0.94
3150	1.02
4000	1.02
5000	1.08
NRC	0.90
SAA	0.87



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Appendix C: Test Photos



E400 Test set up

Test Report

Original Issue Date: 2025-03-24

Intertek Report No. 250226003SHF-007

Appendix D: Sample Received Photo



Front view (Test surface)



Back view

Revision:

NO.	Date	Changes
250226003SHF-007	2025-03-24	First issue