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CNAS L11949

Shanghai Kingkus New Material Co., Ltd.

TEST REPORT

SCOPE OF WORK
Kuspanel Polyester fiber panels

REPORT NUMBER
250226003SHF-005

TEST DATE(S)
2025-02-26 - 2025-03-24

ORIGINAL ISSUE DATE
2025-03-24

PAGES
10

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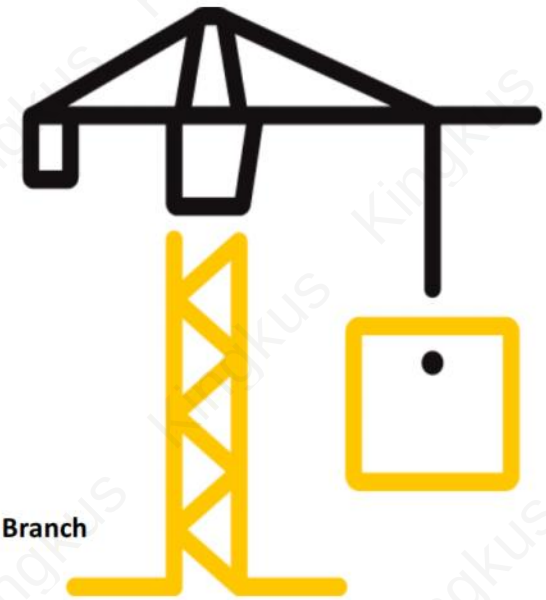

Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch

Test Report

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Test Report

Original Issue Date: 2025-03-24 Intertek Report No. 250226003SHF-005

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*12mm 2400gsm
Sample ID	**Sample Amount**	**Sample Received Date**
S250226003SHF.003	6 pcs	2025-02-24
Sample Description		**Brand**
2440*1220*12mm 2400gsm		Kingkus

Test Methods And Standards

Test Standard	ASTM C423-23$^{\varepsilon 1}$
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 Name: Jun Yun
Title: Reviewer Title: Project Engineer

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Test Report

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Test Items, Method and Results:

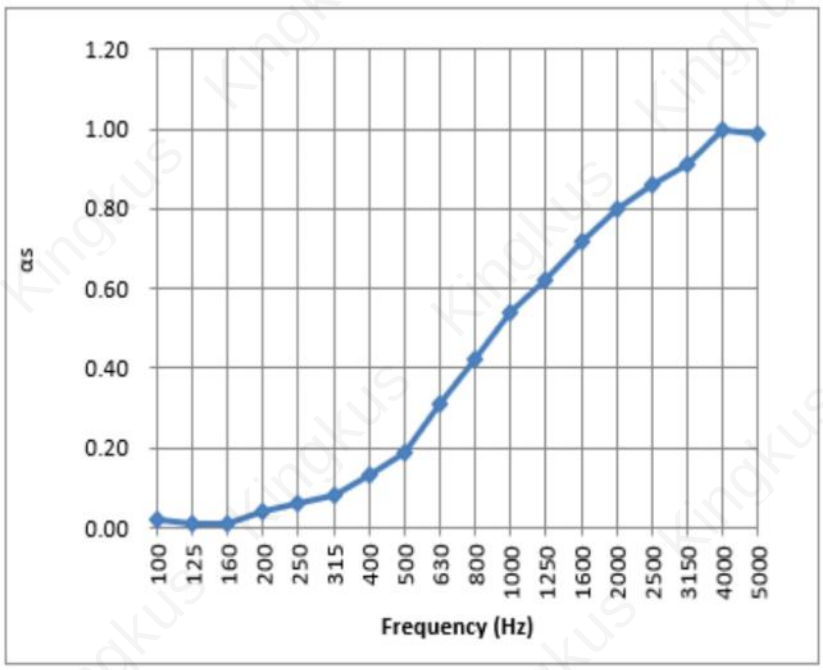
Test Method: ASTM C423-23$^{\varepsilon 1}$ Sound Absorption Coefficients

Volume of the reverberation room	Vs, m^3	240	Installation Type:	Type A
Room temperature	t1, ºC	14	t2, ºC	14
Relative humidity of test rooms	H1,%	70	H2,%	70

Sample description:

Sample size (width*length),mm	1220*2440	Thickness, mm	12.0
Edge treatment	/	Mass, kg/m^2	2.54
Test Area, m^2	10.8		

Frequency (Hz)	αs
100	0.02
125	0.01
160	0.01
200	0.04
250	0.06
315	0.08
400	0.13
500	0.19
630	0.31
800	0.42
1000	0.54
1250	0.62
1600	0.72
2000	0.80
2500	0.86
3150	0.91
4000	1.00
5000	0.99
NRC	0.40
SAA	0.40



Test Report

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Appendix A: Test Photos

Type A Test set up

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Test Report

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Test Items, Method and Results:

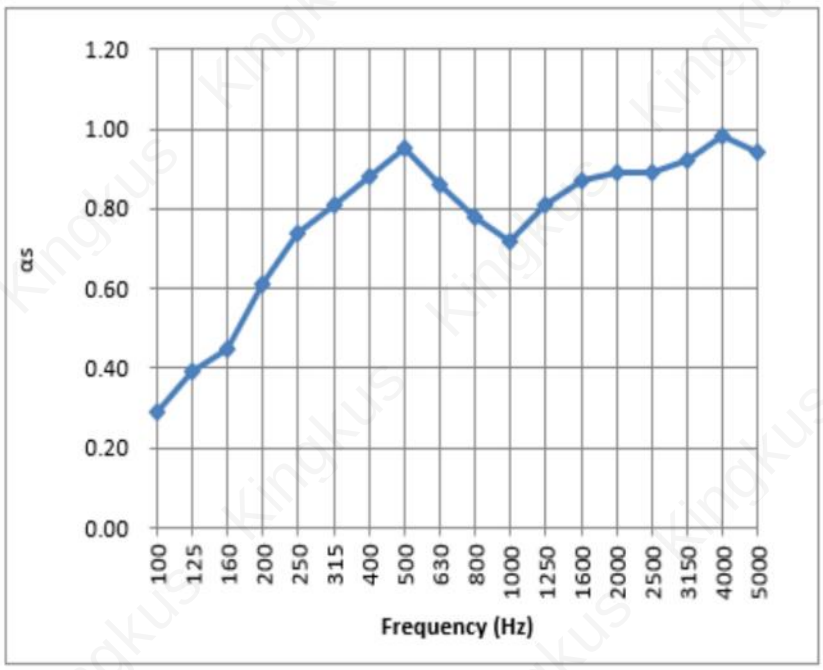
Test Method: ASTM C423-23$^{\varepsilon 1}$ Sound Absorption Coefficients

Volume of the reverberation room	Vs, m^3	240	Installation Type:	E200
Room temperature	t1, ºC	14	t2, ºC	14
Relative humidity of test rooms	H1,%	60	H2,%	60

Sample description:

Sample size (width*length),mm	1220*2440	Thickness, mm	12.0
Edge treatment	/	Mass, kg/m^2	2.54
Test Area, m^2	10.8		

Frequency (Hz)	αs
100	0.29
125	0.39
160	0.45
200	0.61
250	0.74
315	0.81
400	0.88
500	0.95
630	0.86
800	0.78
1000	0.72
1250	0.81
1600	0.87
2000	0.89
2500	0.89
3150	0.92
4000	0.98
5000	0.94
NRC	0.85
SAA	0.82



Test Report

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Appendix B: Test Photos

E200 Test set up

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Test Report

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Test Items, Method and Results:

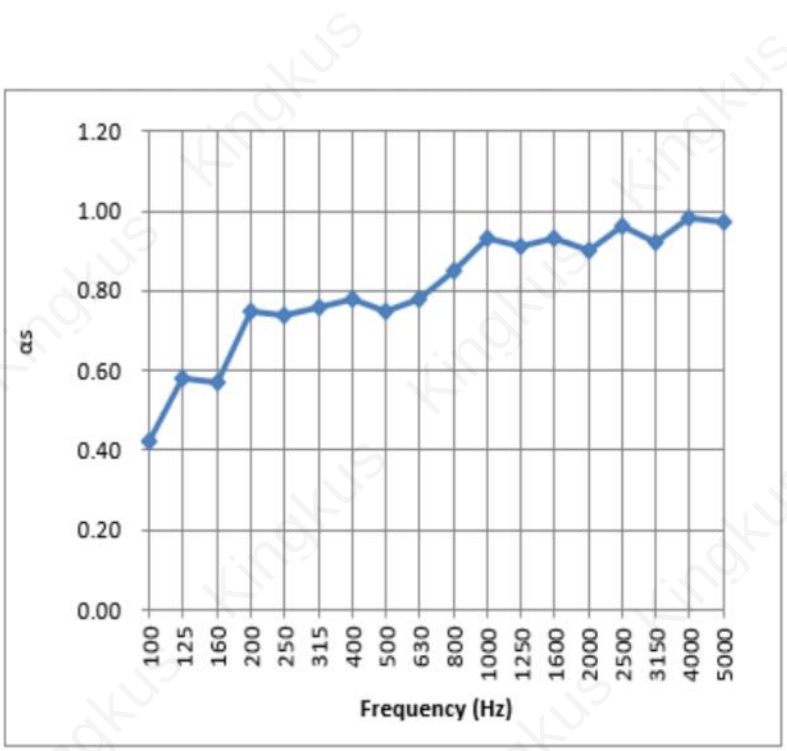
Test Method: ASTM C423-23$^{\varepsilon 1}$ Sound Absorption Coefficients

Volume of the reverberation room	Vs, m^3	240	Installation Type:	E400
Room temperature	t1, ºC	13	t2, ºC	13
Relative humidity of test rooms	H1,%	60	H2,%	60

Sample description:

Sample size (width*length),mm	1220*2440	Thickness, mm	12.0
Edge treatment	/	Mass, kg/m^2	2.54
Test Area, m^2	10.8		

Frequency (Hz)	αs
100	0.42
125	0.58
160	0.57
200	0.75
250	0.74
315	0.76
400	0.78
500	0.75
630	0.78
800	0.85
1000	0.93
1250	0.91
1600	0.93
2000	0.90
2500	0.96
3150	0.92
4000	0.98
5000	0.97
NRC	0.85
SAA	0.84



Test Report

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Appendix C: Test Photos

E400 Test set up

Test Report

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Appendix D: Sample Received Photo

Front view (Test surface)

Back view

Revision:

NO.	Date	Changes
250226003SHF-005	2025-03-24	First issue