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Shanghai Kingkus New Material Co., Ltd.

TEST REPORT

SCOPE OF WORK
Polyester acoustic panel

REPORT NUMBER
250320004SHF-003

TEST DATE(S)
2025-03-20 - 2025-04-24

ORIGINAL ISSUE DATE
2025-04-26

PAGES
7

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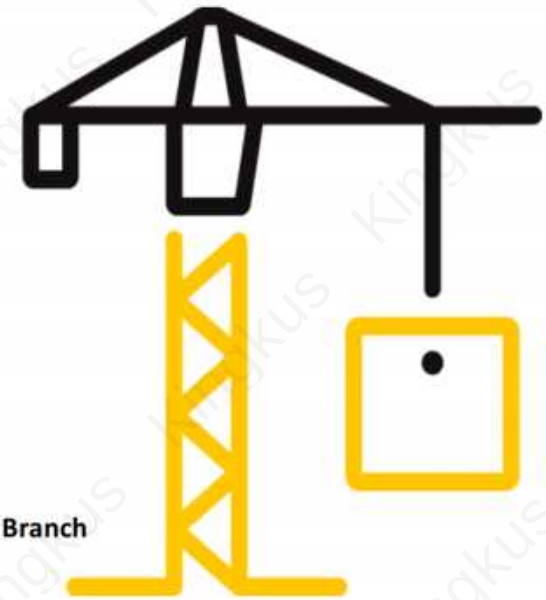

Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch

Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch
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Test Report

Original Issue Date: 2025-04-26 Intertek Report No. 250320004SHF-003

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

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

Product Information

Product Name	Model	Specification	Brand
Polyester acoustic panel	4000gsm	2440*1220*24mm	Kingkus
Sample ID	**Sample Amount**	**Sample Received Date**	
S250320003SHF.005~006	30 pcs	2025-03-17	
Sample Description			
Thickness 24.6mm, see sample photo in Appendix A			

Test Methods And Standards

Test Standard	EN 13823:2020+A1:2022 and EN ISO 11925-2:2020
Specification Standard	EN 13501-1:2018
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.

2.The results were copied from Intertek Report No.250320003SHF-003.

Report Authorized

Sally Xie Stone Shi

Name: Sally Xie Name: Stone Shi

Title: Reviewer Title: Project Engineer

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Test Report

Original Issue Date: 2025-04-26 Intertek Report No. 250320004SHF-003

Test Items, Method and Results:

EN 13501-1:2018 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests

1.1 SINGLE BURNING ITEM TEST

The test was conducted in accordance with EN 13823. This test evaluates the potential contribution of a product to the development of a fire, under a fire situation simulating a single burning item in a room corner near to the product.

1.2 IGNITABILITY TEST

The test was conducted in accordance with EN ISO 11925-2. This test evaluates the ignitability of a product under exposure to a small flame.

1.3 CLASSIFICATION CRITERIA

The classification was determined in accordance with EN 13501-1:2018. The class B with its corresponding fire performance is given in the table below.

Table - Classes of reaction to fire performance for construction products excluding floorings and linear pipe thermal insulation products.

Class	Test Method(s)	Classification criteria	Additional classifications
B	EN 13823 and	$FIGRA_{0.2MJ} \leq 120$ W/s and LFS < edge of specimen and $THR_{600s} \leq 7.5$ MJ	Smoke production[a] and Flaming droplets/particles[b]
	EN ISO 11925-2 [c] Exposure = 30 s	$F_S \leq 150$ mm within 60 s	

Note:

a. s1 = SMOGRA $\leq 30 m^2/s^2$ and $TSP_{600s} \leq 50 m^2$; s2 = SMOGRA $\leq 180 m^2/s^2$ and $TSP_{600s} \leq 200 m^2$; s3 = not s1 or s2

b. d0 = No flaming droplets/particles in EN 13823 within 600s;
d1 = no flaming droplets/particles persisting longer than 10s in EN 13823 within 600s;
d2 = not d0 or d1.
Ignition of the paper in EN ISO 11925-2 results in a d2 classification.

c. Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack.

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Test Items, Method and Results:

2 RESULTS AND OBSERATIONS

Method	Parameter	Specimen 1	Specimen 2	Specimen 3	Average
EN 13823:2020+A1:2022	$FIGRA_{0.2MJ}$, W/s	45.2	94.6	0	46.6
	$FIGRA_{0.4MJ}$, W/s	33.7	94.6	0	42.8
	THR_{600s}, MJ	4.61	5.81	0.401	3.61
	LFS < Edge of Specimen (Yes or No)	Yes	Yes	Yes	/
	SMOGRA, m^2/s^2	22.8	62.9	8.10	31.3
	TSP_{600s}, m^2	314	355	31.3	233
	Flaming Droplets/Particles occur within 600s (> 10s or ≤10s or No)	No	No	No	/

Method	Exposure conditions		$F_s \leqslant 150$ mm within 60 s (Yes/No)	Ignition of the filter paper (Yes/No)
EN ISO 11925-2:2020 Exposure=30 s	Edge exposure	lengthwise 1	Yes	No
		lengthwise 2	Yes	No
		lengthwise 3	Yes	No
		crosswise 1	Yes	No
		crosswise 2	Yes	No
		crosswise 3	Yes	No
	Surface exposure	lengthwise 1	Yes	No
		lengthwise 2	Yes	No
		lengthwise 3	Yes	No
		crosswise 1	Yes	No
		crosswise 2	Yes	No
		crosswise 3	Yes	No

Note

1. Per EN 13823, the samples were free standing at a distance of 80mm from the backing board. Backing board was a 12mm thick calcium silicate board. The density of the calcium silicate board was 850kg/m^3.

3 CLASSIFICATION

The classification has been carried out in accordance with EN 13501-1.

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	*3*	-	d	*0*

Reaction to fire classification: *B- s3, d0*

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Test Items, Method and Results:

4 Test Photos of EN 13823

Before test (Long wing)

Before test (Short wing)

After test (Long wing)

After test (Short wing)

Test Report

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Appendix A: Sample Received Photo

Front view (test side)

Back view

Revision:

NO.	Date	Changes
250320004SHF-003	2025-04-26	First issue