SHANGHAI CORLOBO INDUSTRIAL CO., LTD

TEST REPORT

SCOPE OF WORK
PET ACOUSTIC PANEL

REPORT NUMBER
210730008SHF-005

TEST DATE(S)
2021-08-03 - 2021-08-24

ISSUE DATE
2021-08-24

PAGES
7

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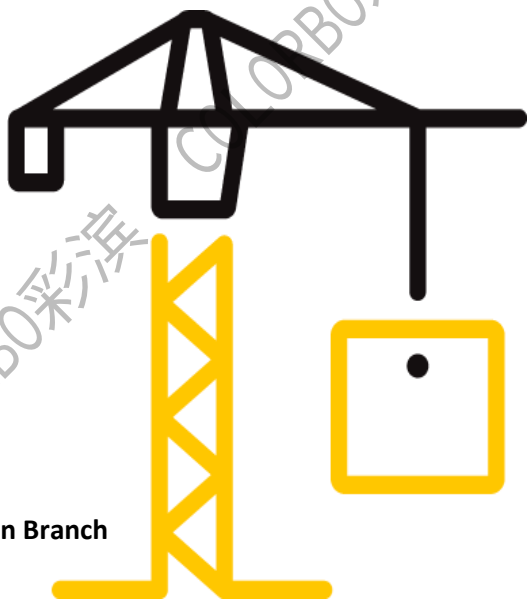

Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch

Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch
Plant 5, No. 6958 Daye Road, Fengxian District, Shanghai, China
Tel: 021-61136116 Fax: 021-61189921
Website: www.intertek.com

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Test Report

Issue Date: 2021-08-24 Intertek Report No. 210730008SHF-005

Applicant: SHANGHAI CORLOBO INDUSTRIAL CO., LTD

Address: Room 101-102, No.1 Building, West Gate, 1412 Tongpu Road, Putuo District, Shanghai, 200333

Attn: Sherry

Manufacturer: Jiangsu ColorBo Decor Eco Tech Co., Ltd

Address: 2nd Floor, Building 3, No. 199, Hongxi Road, Niutang Town, Wujin District, Changzhou city

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

Product Information

Product Name	PET ACOUSTIC PANEL	**Brand**	COLORBO
Sample Description	Good Condition	**Sample Amount**	28 pcs
		Received Date	2021-08-03

Sample ID	**Model**	**Specification**
S210730008SHF.004~005	AK-12-2300	2440*1220*12mm, 2.3KG/SQM

Test Methods And Standards

Test Standard	GB/T 20284-2006 and GB/T 8626-2007
Specification Standard	GB 8624-2012
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.
2.This report is the English version of report number 210730008SHF-004.

Report Authorized

Name: Harrison Li Name: Lu Cheng

Title: Reviewer Title: Project Engineer

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Test Report

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Test Items, Method and Results:

GB 8624-2012 Classification for burning behavior of building materials and products

1.1 SINGLE BURNING ITEM TEST

The test was conducted in accordance with GB/T 20284. This test evaluates the potential contribution of a product to the development of a fire, under a fire situation simulating a single burning item near to the product.

1.2 IGNITABILITY TEST

The test was conducted in accordance with GB/T 8626. 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 GB 8624-2012. The class B_1(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_1(B)	GB/T 20284 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]
	GB/T 8626 Exposure = 30 s	$F_S \leq 150$ mm within 60 s No ignition of the paper within 60 s	

Note:

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

b. d0 = No flaming droplets/particles in GB/T 20284 within 600s;
d1 = no flaming droplets/particles persisting longer than 10s in GB/T 20284 within 600s;
d2 = not d0 or d1.

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2 RESULTS AND OBSERATIONS

Method	Parameter	Result
GB/T 20284-2006*	$FIGRA_{0.2MJ}$, W/s	50
	THR_{600s} , MJ	3.6
	LFS, m	<Edge of Specimen
	SMOGRA, m^2/s^2	14
	TSP_{600s}, m^2	131
	Flaming Droplets/Particles	No flaming droplets/particles occur within 600s
GB/T 8626-2007 Exposure = 30 s	$F_S \leq 150$ mm within 60 s	Yes
	Ignition of the paper	No

Note

1. *Test item is subcontracted on accreditation by CNAS L0057.
2. Per GB/T 20284, the samples were fixed mechanically to the substrate. Substrate was a 12mm thick calcium silicate board. The density of the calcium silicate board was 900kg/m^3.

3 CLASSIFICATION

The classification has been carried out in accordance with GB 8624-2012.

Fire behaviour		Smoke production			Flaming droplets/particles	
B_1 (B)	-	s	*2*	-	d	*0*

Reaction to fire classification: *GB 8624 B_1 (B-s2, d0)*

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GB 8624-2012 Classification for burning behavior of building materials and products

4 Test Photos of GB/T 20284

Before test (Long wing)

Before test (Short wing)

After test (Long wing)

After test (Short wing)

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Appendix A: Sample Received Photo

Revision:

NO.	Date	Changes
210730008SHF-005	2021-08-24	First issue