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# Test Report

Issue Date: 2021-01-20 Intertek Report No. 201231001SHF-001

Applicant: ----on behalve of Vital-Office Shanghai Co., Ltd.

Address: 上海新饰力办公用品有限公司

Attn:

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

**Product Information**

| | | | |
|---|---|---|---|
| **Product Name** | PET Acoustic Panel | **Brand** | / |
| **Sample Description** | Good Condition | **Sample Amount** | 30 pcs |
| | | **Received Date** | 2020-12-30 |
| **Sample ID** | **Model** | **Specification** | |
| S201231001SHF.001~003 | FR Panel | 1220*2440*9mm | |

**Test Methods And Standards**

| | |
|---|---|
| **Test Standard** | EN 13823:2010+A1:2014 and EN ISO 11925-2:2010 |
| **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 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**

Sally Xie Chao Wang

Name: Sally Xie Name: Chao Wang

Title: Reviewer Title: Project Engineer

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**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 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<br>and | $FIGRA_{0.2MJ} \leq 120$ W/s and<br>LFS < edge of specimen and<br>$THR_{600s} \leq 7.5$ MJ | Smoke production[a] and<br>Flaming droplets/particles[b] |
| | EN ISO 11925-2 [c]<br>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 | Result |
|---|---|---|
| EN 13823:2010+A1:2014* | $FIGRA_{0.2MJ}$ , W/s | 27 |
| | $THR_{600s}$ , MJ | 1.2 |
| | LFS, m | <Edge of Specimen |
| | SMOGRA, $m^2/s^2$ | 0 |
| | $TSP_{600s}$, $m^2$ | 4 |
| | Flaming Droplets/Particles | No flaming droplets/particles occur within 600s |
| EN ISO 11925-2:2010 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 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 900kg/$m^3$.

**3 CLASSIFICATION**

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

| Fire behaviour | | Smoke production | | | Flaming droplets | |
|---|---|---|---|---|---|---|
| *B* | - | s | *1* | - | d | *0* |

Reaction to fire classification: *B- s1, d0*

# Test Report

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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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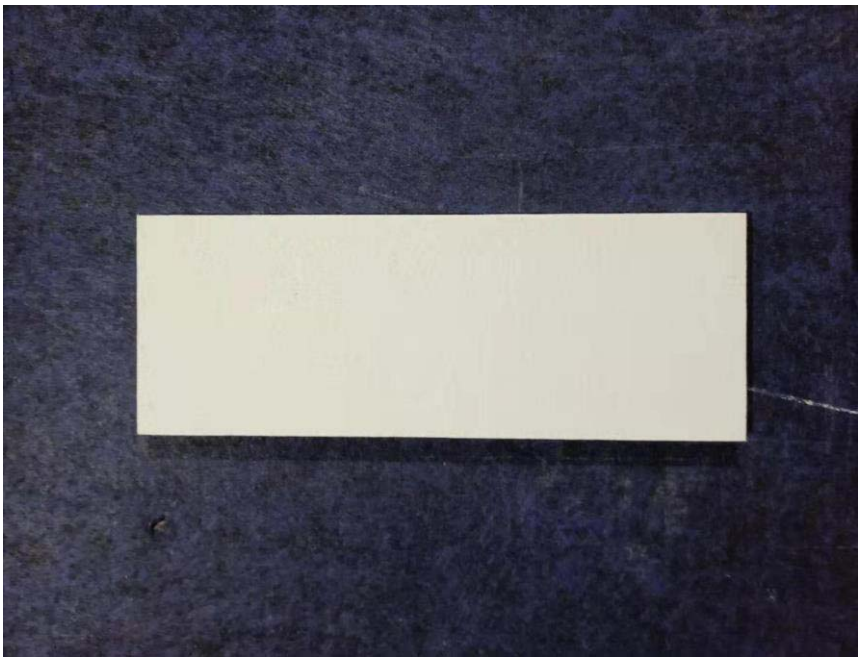
**Appendix A: Sample Received Photo**



**Revision:**

| NO. | Date | Changes | Author | Reviewer |
|---|---|---|---|---|
| 201231001SHF-001 | 2021-01-20 | First issue | Chao Wang | Sally Xie |