

Wuxi Rongzhen Plastic Industry Technology Co., Ltd.

TEST REPORT

SCOPE OF WORK

wall panel

REPORT NUMBER

201012009SHF-002

TEST DATE(S)

2020-10-12 - 2020-10-28

ISSUE DATE

2020-10-28

PAGES

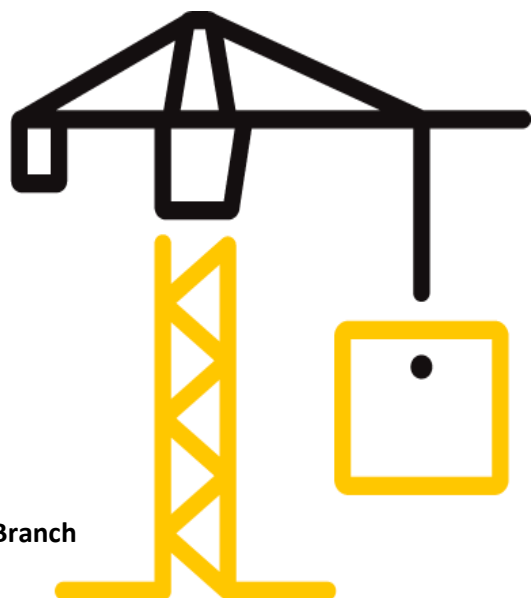
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DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10k(May 1, 2020)

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

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Test Report

Issue Date: 2020-10-28 Intertek Report No. 201012009SHF-002
Applicant: Wuxi Rongzhen Plastic Industry Technology Co., Ltd.
Address: No. 2 Fengming Road, Xuxiake Town, Jiangyin City, Wuxi, Jiangsu, China
Attn: Tianyi Chen
Manufacturer : Wuxi Rongzhen Plastic Industry Technology Co., Ltd.
Address : No. 2 Fengming Road, Xuxiake Town, Jiangyin City, Wuxi, Jiangsu, China
Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	wall panel	Brand	/
Sample Description	Good Condition	Sample Amount	14 pcs
		Received Date	2020-10-12
Sample ID	Model	Specification	
S201012009SHF.002	600	600*600	

Test Methods And Standards

Test Standard	ASTM D5116-17
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 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

Flora Fan

Name: Flora Fan

Title: Reviewer



Milo Liu

Name: Milo Liu

Title: Project Engineer

Test Report

Issue Date: 2020-10-28

Intertek Report No. 201012009SHF-002

Test Items, Method and Results:

Test Item: Volatile organic compounds content analysis

Test Method: With reference to ASTM D5116-17 Small-Scale Environmental Chamber Determinations of Organic Emissions From Indoor Materials/Products.

Test procedure:

The sample was tested in the emission test chamber. After 3 days, chamber air samples were collected. Samples analyzed for individual VOCs and TVOC were collected on sorbent tubes Tenax TA, and were detected by Automatic Thermal Desorption-Gas Chromatography/Mass Spectrometric (ATD-GC/MS). Samples analyzed for aldehydes were collected on DNPH cartridge, and were detected by High Performance Liquid Chromatography (HPLC).

Test condition:

Test chamber: 0.060 m³

Loading factor: 1.0 m²/m³

Supply air temper: 23°C±1°C

Supply air humidity: 50%±5% R.H.

Air exchange rate: 1.0 h⁻¹

Sampling: Tenax TA & DNPH cartridge

Table 1 3 Days Chamber concentration and Emission Factor of all Target VOCs and TVOC

No.	Compound Name	CAS Number	Chamber Concentration (µg/m ³)	Emission Factor (µg/m ² ·h)
1	1,2-Dichloroethane [^]	107-06-2	5.1	5.1
2	Toluene [^]	108-88-3	6.0	6.0
3	Methyl methacrylate ^{**a}	80-62-6	6.3	6.3
4	Formaldehyde [*]	50-00-0	< 2.0	< 2.0
5	TVOC ^{**}	/	< 20	< 20

Remark:

- * = indicates aldehydes identified and quantified by DNPH derivatization and HPLC/DAD analysis.
- ** = Denotes quantified using the Relative Response Factor to toluene for the compound.
- [^] = Denotes quantified using multipoint authentic standard curve.
- a = Indicates NIST/EPA/NIH library (Version 2.0 g) best library match only based on mass spectral characteristics.
- Detection limit of individual compound = 2 µg/m³
- Detection limit of TVOC = 20 µg/m³
- TVOC means sum of the concentrations of all identified and unidentified VOCs between and including n-hexane through n-Hexadecane (i.e., C₆-C₁₆) as measured by the GC/MS TIC method and expressed as a toluene equivalent value.

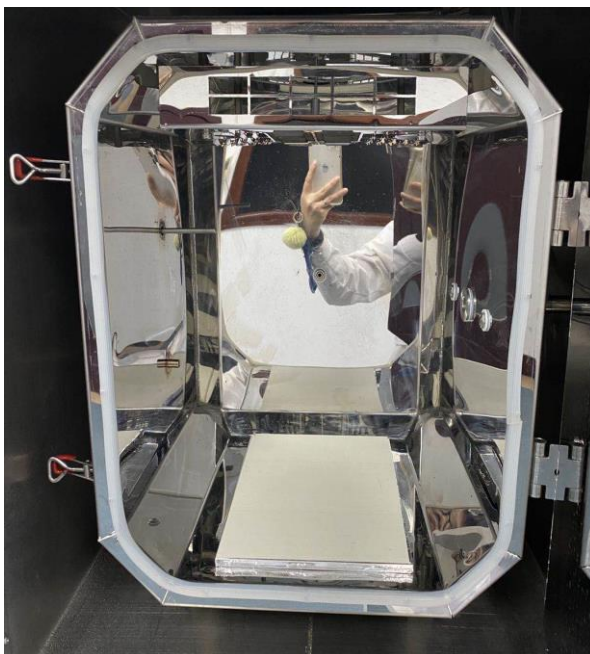
8. Test location: Central Chemical Lab of Intertek Testing Services Ltd., Wuxi
Address: No. 8, Fubei Road, Xishan Economic Development Zone, Wuxi, China

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Test Photo:

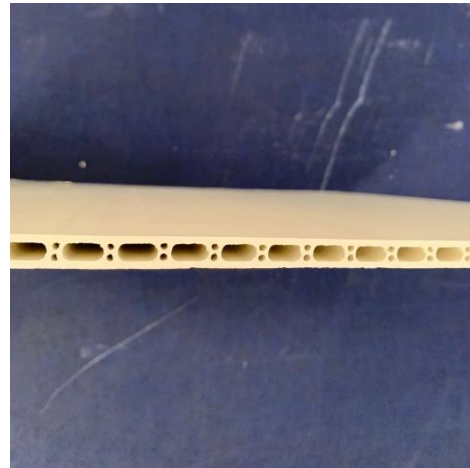
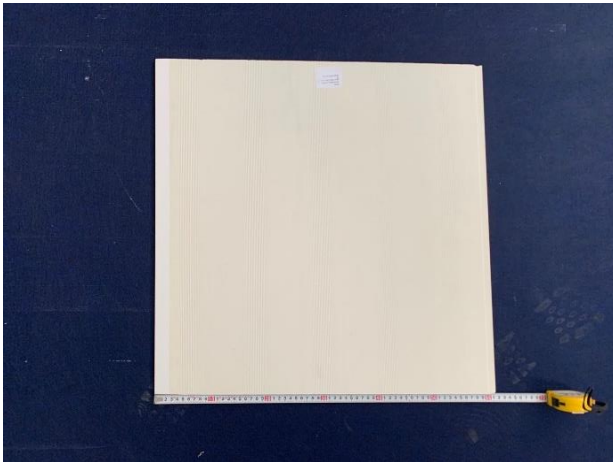


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Appendix A: Sample Received Photo



Revision:

NO.	Date	Changes	Author	Reviewer
201012009SHF-002	2020-10-28	First issue	Milo Liu	Flora Fan