Zhejiang Timber Biology New Material Co., Ltd

TEST REPORT

SCOPE OF WORK
Co-Extrusion Decking

REPORT NUMBER
220726013SHF-004

TEST DATE(S)
2022-07-26 - 2022-11-08

ISSUE DATE
2022-12-19

PAGES
5

DOCUMENT CONTROL NUMBER
LFT-APAC-SHF-OP-10k(September 1, 2022)
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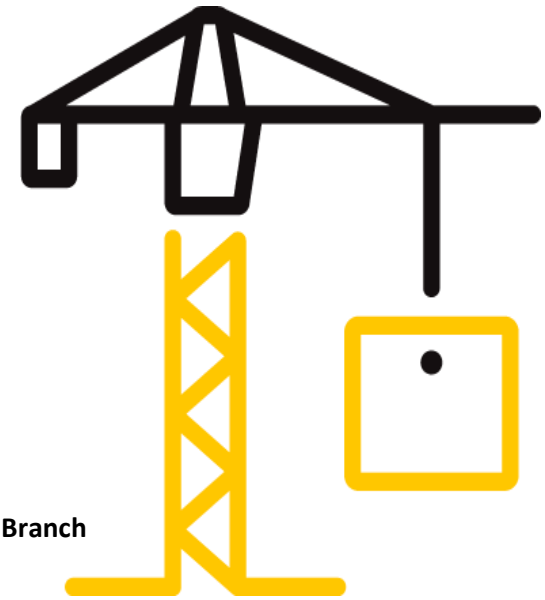

Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch

Test Report

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Test Report

Issue Date: 2022-12-19 Intertek Report No. 220726013SHF-004

Applicant: Zhejiang Timber Biology New Material Co., Ltd

Address: No.190, North Huancheng Road, Deqing, Zhejiang, China

Attn: Wu Xiaolei

Manufacturer: Zhejiang Timber Biology New Material Co., Ltd

Address: No.190, North Huancheng Road, Deqing, Zhejiang, China

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

Product Information

Product Name	Co-Extrusion Decking	**Brand**	/
Sample Description	Good Condition	**Sample Amount**	1 piece
		Received Date	2022-07-25
Sample ID	**Model**	**Specification**	
S220726013SHF.004	140X22	/	

Test Methods And Standards

Test Standard	ISO 4892-2:2013/Amd.1:2021
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

INTERTEK TESTING SERVICES SHENZHEN LTD. SHANGHAI FENGXIAN BRANCH 天祥质量技术服务有限公司上海奉贤分公司 检验检测专用章

Name: Daniel Zhang Name: Torres Qi

Title: Reviewer Title: Project Engineer

Test Report

Issue Date: 2022-12-19 Intertek Report No. 220726013SHF-004

Test Items, Method and Results：

Test Item: Resistance to artificial weathering - Xenon-arc Lamps

Test Sample: Co-Extrusion Decking

Test Method: ISO 4892-2:2013/Amd.1:2021 Cycle 1

Exposure cycle:

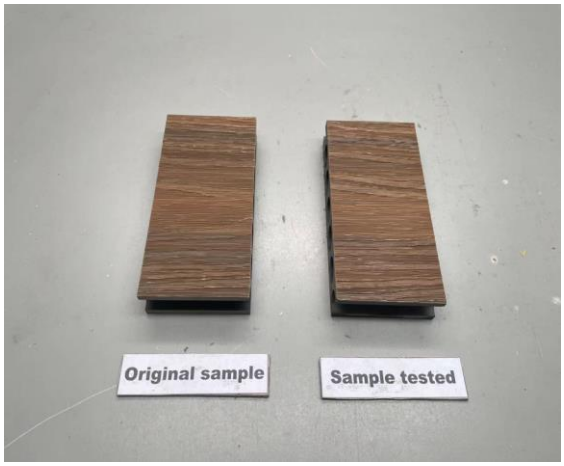
1) 102 min light at (65±3)°C, Black-standard-temperature, Relative humidity (50±10)%, Irradiance: 0.51 ± 0.02 W/(m^2·nm) at 340 nm.

2) 18 min light and water spray, Irradiance: 0.51 ± 0.02 W/(m^2·nm) at 340 nm.

Test Duration: 2000 hours

Test Result:

Exposure time	ΔL*	Δa*	Δb*	ΔE*	Grey scale	Observation
720h	0.14	0.58	0.04	0.62	4-5	Part showed slight color change on the surface
1000h	0.26	0.59	0.13	0.66	4-5	Part showed slight color change on the surface
1500h	0.16	0.44	-0.36	0.63	4-5	Part showed slight color change on the surface
2000h	0.04	0.68	-0.04	0.69	4-5	Part showed slight color change on the surface



After test

Test Report

Issue Date: 2022-12-19 Intertek Report No. 220726013SHF-004

Appendix A: Sample Received Photo

Revision:

NO.	Date	Changes
220726013SHF-004	2022-12-19	First issue