

TEST REPORT

REPORT NUMBER

170601007SHF-BP-2

ISSUE DATE

2022/8/17

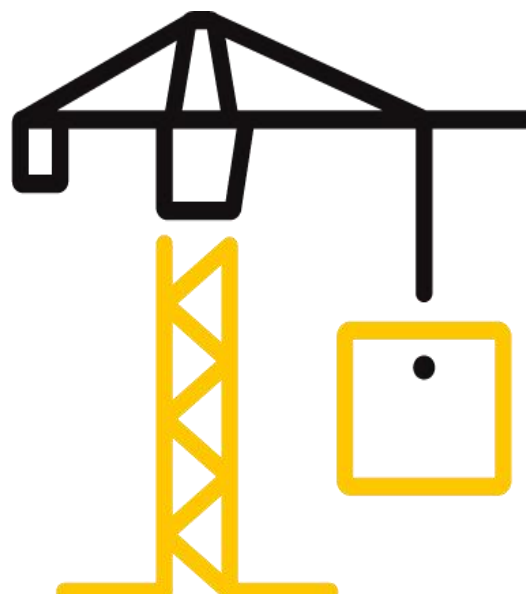
PAGES

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DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10a

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Test Report

Issue Date: 2022/8/17

Intertek Report No. 170601007SHF-BP-2

Applicant: Wood plastic board

Applicant Address: Dongguan City, Guangdong Province

Attn: Huang

SUBJECT: Performance testing
Co-Ex Decking A

Dear Sir,

This test report for represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

TEST METHODS AND STANDARDS	
Refer to the next following Pages.	

SAMPLE ID	MODEL	SPECIFICATI ON
S170601007SHF.0 01	140×23	/

SAMPLE RECEIEVED: 2022/6/02

TESTED FROM: 2022/8/12

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Test Report

Issue Date: 2022/8/17

Intertek Report No. 170601007SHF-BP-2

Test Items, Method and Results:

EN 15534-4: 2014 Composites made from cellulose-based materials and thermoplastics (usually called wood-polymer composites (WPC) or natural fibre composites (NFC)) Part 4: Specifications for decking profiles and tiles

Indenter: a hardened steel spherical body with diameter of 10 mm

Test load: Additional load of 2000N with preload of 20N

Indentation time: (25 ± 5) s

Recovery time: at least 24h

Test Sample	Test Items	Test Method	Test Results
Co-Ex Decking A	Resistance to indentation	EN 15534-1:2014 Section 7.5 EN 15534-4:2014 Section 4.5.7 EN 1534:2010	Brinell hardness: 79 MPa Rate of elastic recovery: 54%

Test Report

Issue Date: 2022/8/17

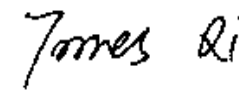
Intertek Report No. 170601007SHF-BP-2

APPENDIX: SAMPLE RECEIVED PHOTO



REPORT AUTHORIZED

When signed with physical or electronic signature, the contents of this report have been prepared and approved per Intertek's quality process in accordance with ISO 17025.

		
Name: Sun Sun	Name: Daniel Zhang	Name: Torres Qi
Title: Approver	Title: Reviewer	Title: Project Engineer

Note: A red circular stamp is visible over the signatures, containing the text 'INTERTEK TESTING SERVICES LTD SHANGHAI' and '检验检测专用章'.

Revision:

NO.	DATE	CHANGES	AUTHOR	REVIEWER
170601007SHF-BP-2	2022/8/17	First issue	Torres Qi	Daniel Zhang

TEST REPORT

REPORT NUMBER

170601007SHF-BP-3

ISSUE DATE

2022/8/17

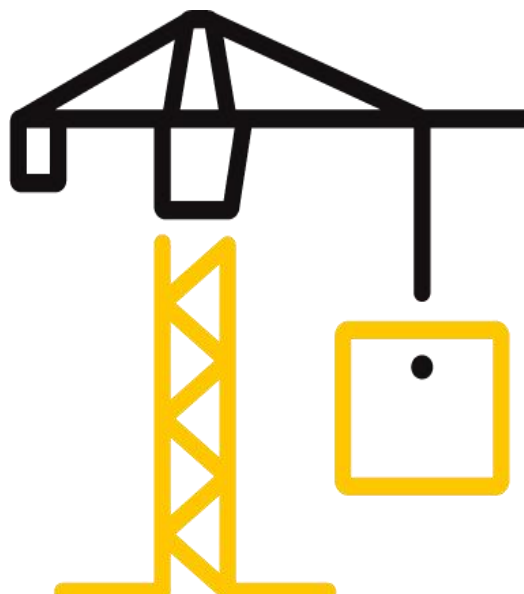
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DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10a

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Test Report

Issue Date: 2022/8/17

Intertek Report No. 170601007SHF-BP-3

Applicant: Wood plastic board

Applicant Address: Dongguan City, Guangdong Province

Attn: Xuemei Huang

SUBJECT: Performance testing
Co-Ex Decking A

Dear Sir,

This test report for represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

TEST METHODS AND STANDARDS	
Refer to the next following Pages.	

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S170601007SHF.0 02	140×23	/

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Test Report

Issue Date: 2022/8/17

Intertek Report No. 170601007SHF-BP-3

Test Items, Method and Results:

Test Sample	Test Items	Test Method	Test Results
Co-Ex Decking A	Abrasion Resistance	ASTM D4060-14	Mass loss: 30.0 mgWear index: 30

Note:

1. Type of Wheel: CS-17
2. Load on each Wheel: 1000 g
3. Revolutions: 1000

Test Report

Issue Date: 2022/8/17

Intertek Report No. 170601007SHF-BP-3

APPENDIX: SAMPLE RECEIVED PHOTO

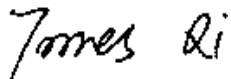


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Name: Sun Sun
Title: Approver


Name: Daniel Zhang
Title: Reviewer


Name: Torres Qi
Title: Project Engineer

Revision:

NO.	DATE	CHANGES	AUTHOR	REVIEWER
170601007SHF-BP-3	2022/8/17	First issue	Torres Qi	Daniel Zhang

TEST REPORT

REPORT NUMBER

170601007SHF-BP-0

ISSUE DATE

2022/8/17

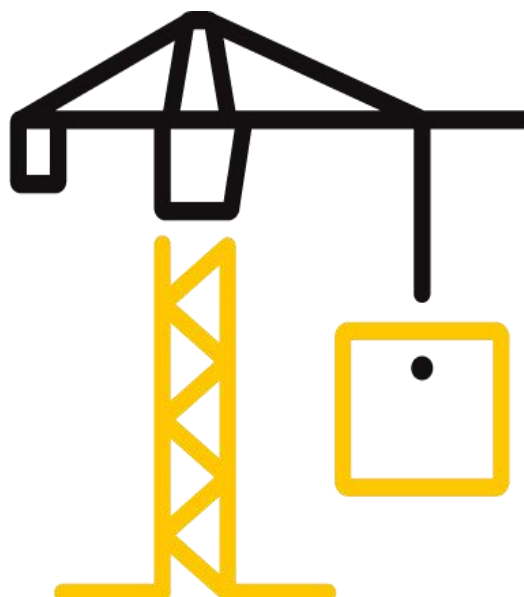
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Test Report

Issue Date: 2022/8/17

Intertek Report No. 170601007SHF-BP-0

Applicant: Wood plastic board

Applicant Address: Dongguan City, Guangdong Province

Attn: Xuemei Huang

SUBJECT: Performance testing
Co-Ex Decking C

Dear Sir,

This test report for represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

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Test Report

Issue Date: 2022/8/17

Intertek Report No. 170601007SHF-BP-0

Test Items, Method and Results:

Test Item: Resistance to artificial weathering

Test Sample: Co-Ex Decking C

Test Method: ISO 4892-2:2013 cycle 1

The Exposure cycle:

- 1) 102 min light at $(65 \pm 3)^{\circ}\text{C}$, Black-standard-temperature, Chamber temperature $38 \pm 3^{\circ}\text{C}$,
Relative humidity $(50 \pm 10)\%$, Irradiance: $0.51 \pm 0.02 \text{ W}/(\text{m}^2 \cdot \text{nm})$ at 340 nm Narrowband
- 2) 18 min light and water spray, Irradiance: $0.51 \pm 0.02 \text{ W}/(\text{m}^2 \cdot \text{nm})$ at 340 nm Narrowband

Test Result:

Exposure time	ΔL^*	Δa^*	Δb^*	ΔE^*	Grey scale	Observation
720 hours	-0.22	0.08	0.09	0.26	5	Part showed no color change
1440 hours	-0.30	0.10	0.21	0.40	4-5	Part showed slight color change
2000 hours	-0.35	0.11	0.21	0.43	4-5	Part showed slight color change

Note:

1. Test photos were shown in next page

Test Report

Issue Date: 2022/8/17

Intertek Report No. 170601007SHF-BP-0

Test Photos:



After 720 hours test



After 1440 hours test



After 2000 hours test

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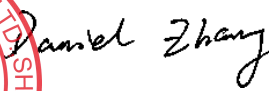
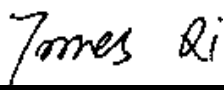
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Title: Approver	Title: Reviewer	Title: Project Engineer

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Revision:

NO.	DATE	CHANGES	AUTHOR	REVIEWER
170601007SHF-BP-6	2022/8/17	First issue	Torres Qi	Daniel Zhang