Test Report Number: GZHH00292674

Applicant: Lyctum doo
Svetomira Đukića 24
11283 Beograd - Zemun, Serbia

Date: Nov 14, 2018

Attn: TIGER FENG

Sample Description:

One (1) submitted sample said to be **Wood Plastic Composite Materials** used for

Item Name	:	**WPC decking, WPC cladding**
Manufacturer	:	ELLADECK
Country of Origin	:	China
Date Sample Received	:	Jul 13, 2018

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Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

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To be continued

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines

Ben N.L. Lin
General Manager

Intertek Testing Services Shenzhen Limited, Guangzhou Branch
深圳天祥质量技术服务有限公司广州分公司
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Conclusion:

Tested Sample	Standard	Result
Submitted Sample	Resistance to Artificial Weathering - As per EN 15534-1: 2014 Section 8.1 and EN 927-6: 2006	See test conducted

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Remark:

1. No samples are submitted for testing. All test results stated in the test report was referred to our test report GZHH00291166 dated Nov 14, 2018.

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Tests Conducted

1 Resistance to Artificial Weathering

As per EN 15534-1: 2014 Section 8.1 and EN 927-6: 2006, the tested sample was subjected to the following test:

Operating conditions:
(1) Typical irradiance = 0.89W/ (m^2 · nm) at wave length 340nm.
(2) Exposure cycle

(3) Exposure period = Total 2000 hours
(4) Lamp = UVA-340.

Step	Function	Temperature	Duration	Condition
1	Condensation	(45 ± 3) °C	24 h	
2	Subcycle step 3 + 4		144 h consisting of 48 × cycles of 3 h consisting of steps 3 and 4	
3	UV	(60 ± 3) °C	2,5 h	irradiance set point 0,89 W/(m²nm) at 340 nm
4	Spray		0,5 h	6 l/min to 7 l/min, UV off

Equipment: QUV chamber (Model number: QUV/spray)

Assessment method:
- Color change was assessed with reference to ISO 105-A02:1993 (grey scale).
- Color difference was measured by the spectrophotometer.

Test result:

Exposure period	Grade of colorfastness (grey scale)	Colour difference
500 h	4.5	△E = 2.30
1000 h	4.5	△E = 2.82
1300 h	4.5	△E = 2.98
1600 h	4.5	△E = 3.02
2000 h	4.5	△E = 3.04

Note: The grey scale was determined under the D65 standard light, the grade 5 is the best and the grade 1 is the worst.

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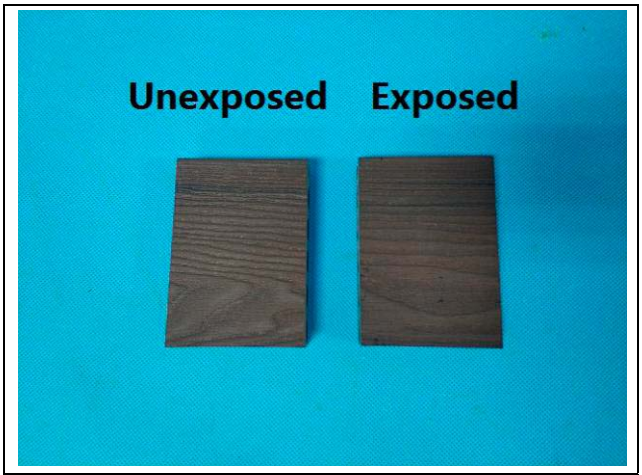
Tests Conducted

Photo of specimen for reference:



After test (2000h)

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End of report

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