

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



Tests conducted:

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

To be continued

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



Ben N.L. Lin
General Manager



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Intertek Testing Services Shenzhen Limited, Guangzhou Branch

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Conclusion:

Tested Sample
Submitted Sample

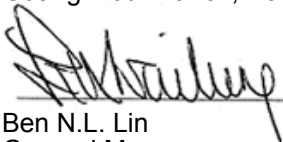
Standard
Resistance to Artificial Weathering
- As per EN 15534-1: 2014 Section 8.1 and EN
927-6: 2006

Result
See test conducted

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/ (m² · 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/(m ² nm) 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	ΔE = 2.30
1000 h	4.5	ΔE = 2.82
1300 h	4.5	ΔE = 2.98
1600 h	4.5	ΔE = 3.02
2000 h	4.5	ΔE = 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.

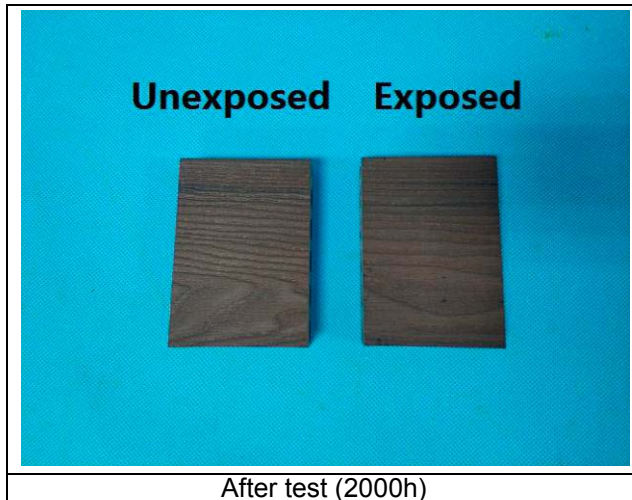


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Photo of specimen for reference:



End of report

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