

Test Report

Number: GZHH00395806

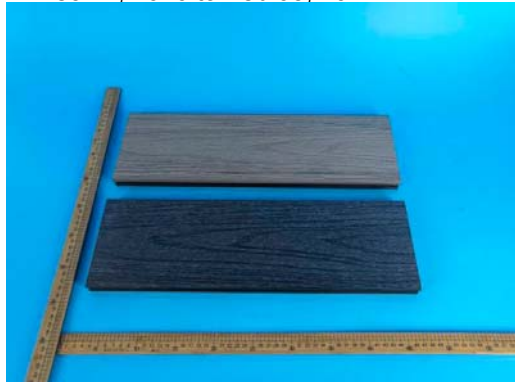
Applicant: HUANGSHAN HUASU NEW MATERIAL SCIENCE
& TECHNOLOGY CO.,LTD
CHENGBEI INDUSTRIAL ZONE,HUIZHOU
DISTRICT,HUANGSHAN CITY,ANHUI
PROVINCE,CHINA.

Date: Feb 05, 2021

Sample Description:

One (1) set of submitted sample said to be :

Item Name : **Co-Extrusion Composite Decking**
Item No. : **138S23-K**
Date Sample Received : Dec 22, 2020
Testing Period : Dec 22, 2020 to Feb 05, 2021



Tests conducted:

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

To be continued



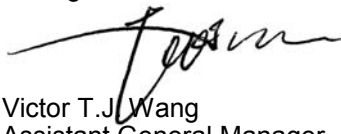
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Conclusion:

<u>Tested sample</u>	<u>Test Item</u>	<u>Result</u>
Submitted sample	Moisture resistance under cyclic test conditions - As per EN 15534-4: 2014 and EN 15534-1: 2014+A1: 2017 Section 7.3.2 and 8.3.1	Pass

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



Victor T.J. Wang
Assistant General Manager



Test Report

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Tests Conducted

1 Moisture resistance under cyclic test conditions

As per EN 15534-4: 2014 and EN 15534-1: 2014+A1: 2017 Section 7.3.2 and 8.3.1, the submitted sample was subjected to the following tests:

Sample description: Co-Extrusion Composite Decking.

Initial inspection: No any damage was found.



Tests Conducted

Executive summary:

Test item	Test methods	Test result	Conclusion
Moisture resistance under cyclic test conditions	<p>Test method: As per EN 15534-4: 2014 and EN 15534-1: 2014+A1: 2017 Section 7.3.2 and 8.3.1</p> <p>Profile type: solid profiles</p> <p>Specimen size: 450 mm×141 mm ×22.8 mm</p> <p>Testing speed: 10 mm/min</p> <p>Span: 350 mm</p> <p>Cyclic condition: Immerse in 20±1°C water for 28±1d → Freezing in -12 ~ -25°C for 24±1h → Drying in 70±2°C for 72±1h → Immerse in 20±1°C water for 72±1h → Freezing in -12 ~ -25°C for 24±1h → Drying in 70±2°C for 72±1h → Immerse in 20±1°C water for 72±1h → Freezing in -12 ~ -25°C for 24±1h → Drying in 70±2°C for 72±1h → Immerse in 20±1°C water for 72±1h → Freezing in -12 ~ -25°C for 24±1h → Drying in 70±2°C for 72±1h → 23±2°C, 50±5%RH for 72h.</p> <p>EN 15534-4: 2014 Requirement:</p> <ul style="list-style-type: none"> - Mean of decrease of bending strength ≤ 20 % - Individual decrease of bending strength ≤ 30 % 	<p>Bending strength before cyclic test (arithmetic mean value): 37.9MPa</p> <p>Bending strength before cyclic test (maximum individual values): 38.1MPa</p> <p>Bending strength after cyclic test (arithmetic mean value): 35.9MPa</p> <p>Bending strength after cyclic test (minimum individual values): 35.7MPa</p> <p>Mean of decrease of bending strength: 5.3%</p> <p>Max individual decrease of bending strength: 6.3%</p>	Pass

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

The sample(s) and sample information hereto are provided by the client who shall be solely responsible for the authenticity and integrity thereof. The results shown in this report relate only to the sample(s) tested. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek Testing Services Shenzhen Limited, Guangzhou Branch. The testing data and result issued by this report are just for scientific research, teaching, internal quality control, product research and development etc. on reference only in the territory of the People's Republic of China.

