

Test Report

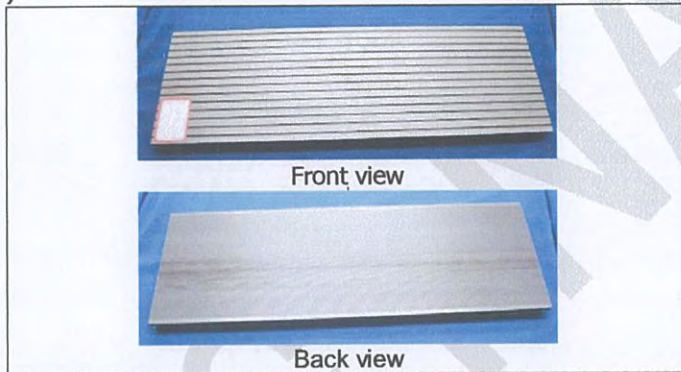
Report Number:140311003SHJ-BP-1

Original Report Date: April 16, 2014

Sample Description:

Product: WPC decking
Model: LHMA043 (146x22mm)
Samples Quantity: 6 pieces
Sample Photos (Received):

Sample ID: S1403110032SHJ-001~006
Date Received: March 10, 2014
Date Test Conducted: Mar.10, 2014~Apr.16, 2014



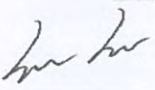
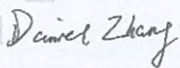
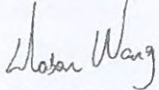
Tests Conducted:

Test Methods: 1. ISO 4892-2:2013 cycle 1 (total exposure time 720h)
2. Freeze-Thaw Test (total 10 cycles)

Conclusion:

For details refer to attached page(s).
The conclusions of this test report may not be used as part of the requirements for Intertek product certification.
Authority to Mark must be issued for a product to become certified.

Should you have any queries about the test report, please contact:

Approved by:	Checked by:	Prepared by:
		
Sun Sun Supervisor	Daniel Zhang Senior Project Engineer	Mason Wang Engineer

Test Items, Method and Results:

Sample Type	Standard	character	Result
WPC decking	ISO 4892-2:2013 cycle 1 (720h)	UV resistance	Grey scale 3-4 There was some colour change on the surface.
	In house method ¹ (10 cycles)	Freeze-Thaw Test	No visible blistering, cracking, chipping, chalking on the surface. No visible permanent deformation like warping and twisting. Grey scale 4-5 There was slight colour change on the surface. Dimensional change rate after freeze-thaw cycles: Length: 0.30% Width: 0.25% Thickness: 0.40%

Note:

- The test condition was specified and each test cycle consists of 48 hours with the following distribution:
24 hours of total immersion in tap water.
9 hours at -10°C.
15 hours at 45 ° C and 80% relative humidity.
After total continuous 10 testing cycles, the parts were analyzed visually for blistering, cracking, chipping, chalking for dimensional changes/permanent deformation like warping or twisting. for colour and roughness. Which was carried out under D65 with artificial light (daylight)

Appendix: Test sample photos

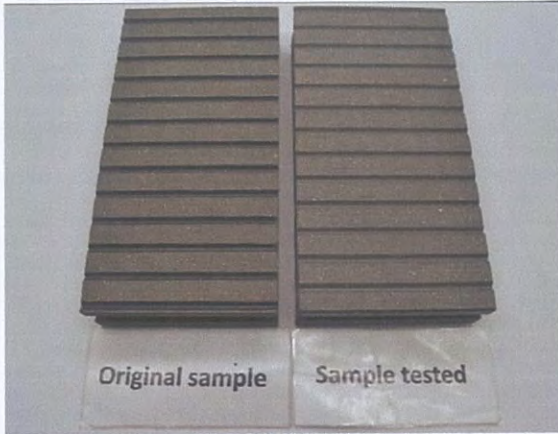


Fig. 1 UV resistance

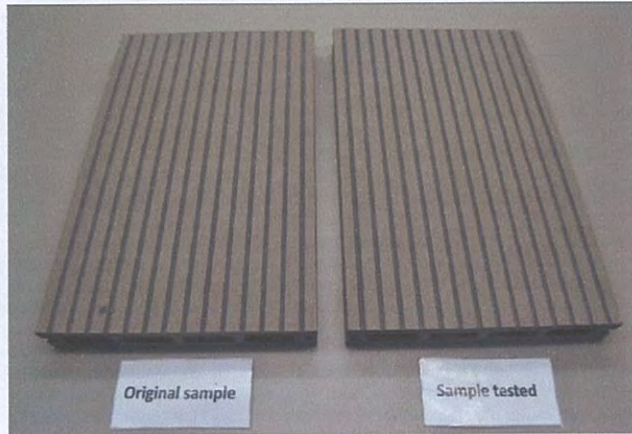


Fig.2 Freeze-Thaw Test

The End of Report

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