

**ANJI BOSEN WPC MATERIAL COMPANY**

TANGPU COUNTY, ANJI, HUZHOU CITY, ZHEJIANG PROVINCE

The following sample(s) was / were submitted and identified on behalf of the client as:

**Sample Description:** WPC DECKING

**Type/Style:** BS-001

**Test Requested:** Selected test(s) as requested by applicant

**Test Results:** -- See attached sheet --

**Test Period:**

Sample Receiving Date : JUL.29, 2015

Test Performing Date : JUL.29, 2015 TO AUG.26, 2015

Signed for and on behalf of  
SGS-CSTC Co., Ltd.



Allen Zou  
Technical Supervisor

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### ASTM G154-2012

#### I. Test conducted

Test in accordance with "ASTM G154-2012 Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials".

Determination changes in colour in accordance with "ISO 105-A02:1993 Cor2:2005 Textiles—Tests for colour fastness—Part A02: Grey scale for assessing change in colour"

#### II. Conditions

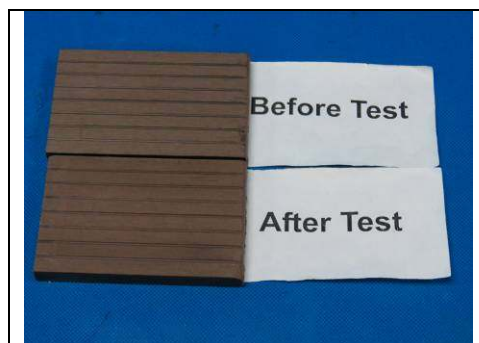
- 1) The lamp type: UVA-340
- 2) Description of exposure cycle used: Cycle 1: a. 8 hours UV at 60°C;  
b. 4 hours condensation at 50°C
- 3) Actual value  
---Irradiance: 0.89W/(m<sup>2</sup>.nm)  
---Black-panel Temperature: 340mm
- 4) Exposure period: 500 hours

#### III. Test Results

Specimen	1	2
Gray scale grade	4	4

**Note:** According to ISO 105 A02, the grey scale was determined under the D65 standard light, scale 5 is the best and scale 1 is the worst.

#### Photo Appendix:



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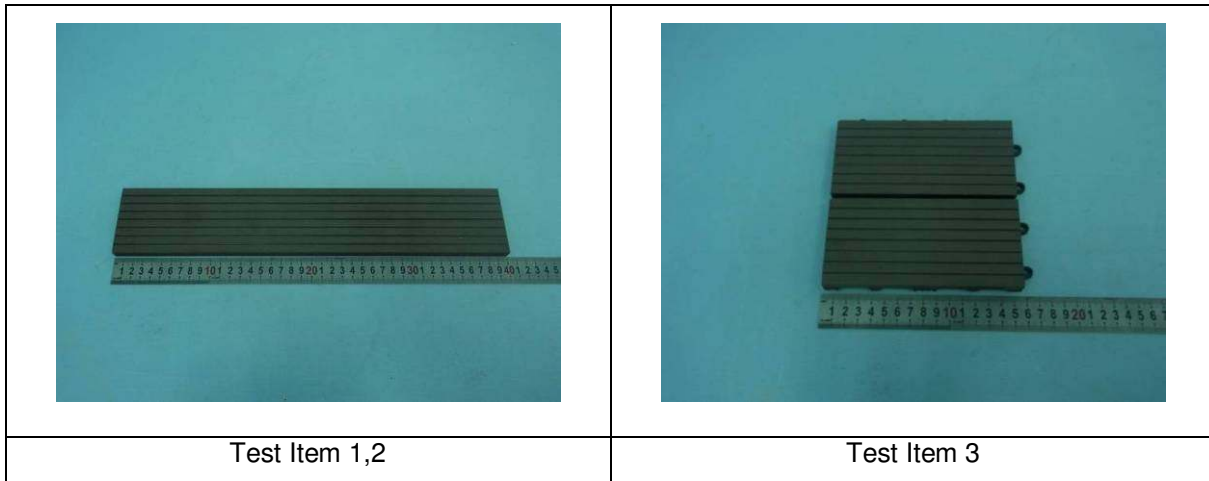
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Test Results:



No.	Test item	Test method	Test condition	Results
1	Flexural strength	ASTM D6109-13 Section 10.1 Method A*	Specimen: 400mm×72mm×11.5mm Testing speed: 5.4mm/min Support span: 184mm	20.9MPa
2	Modulus of elasticity			$4.16 \times 10^3$ MPa
3	Water absorption	ASTM D1037-12 Section 23 Method B*	Specimen: 150mm×150mm 24h submersion in water	2.0%
4	Impact resistance	ASTM D4495-12*	Specimen: 150mm×70mm Mass of the falling weight: 10lb	Mean failure height:16cm Mean failure energy:7.1J Estimated Standard Deviation:1.9cm
5	Axial strength in tension	ASTM D4761-13 Section 9*	Specimen: 165mm ×14.1mm×11.4mm Testing speed: 1.0mm/min	16.8MPa

Remark: \*---The test was performed by SGS internal laboratory.

Sample Photos:



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<p>Test Item 4</p>	<p>Test Item 5</p>

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\*\*\*End of Report\*\*\*

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