

# Wuhu Haoxuan Wood Plastic Composite Co., Ltd.

## TEST REPORT

**SCOPE OF WORK**

Feeling Wood Decking

**REPORT NUMBER**

190708003SHF-001

**TEST DATE(S)**

2019-07-05 - 2019-07-15

**ISSUE DATE**

2019-07-15

**PAGES**

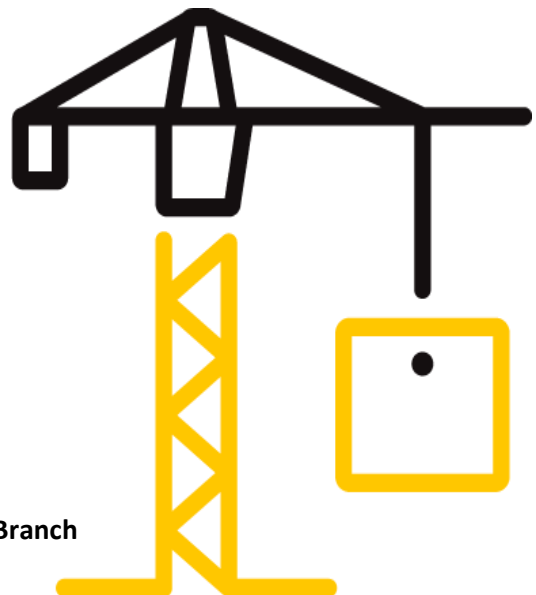
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**DOCUMENT CONTROL NUMBER**

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## Test Report

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## Test Report

Issue Date: 2019-07-15 Intertek Report No. 190708003SHF-001  
 Applicant: Wuhu Haoxuan Wood Plastic Composite Co., Ltd.  
 Address: No.12, Fushan Rd., Sanshan Economic Development Zone, Wuhu city, Anhui, China  
 Manufacturer: Wuhu Haoxuan Wood Plastic Composite Co., Ltd.  
 Address: No.12, Fushan Rd., Sanshan Economic Development Zone, Wuhu city, Anhui, China  
 Attn: Yuchun Yang  
 Test Type : Performance test, samples provided by the applicant.

### Product Information

<b>Product Name</b>	Feeling Wood Decking	<b>Brand</b>	/
<b>Sample Description</b>	Good Condition	<b>Sample Amount</b>	27 pieces
		<b>Received Date</b>	2019-07-05
<b>Sample ID</b>	<b>Model</b>	<b>Specification</b>	
S190708003SHF.001~002	FW148K25	148mmx25mm	

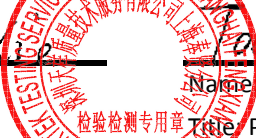
### Test Methods And Standards

<b>Test Standard</b>	EN ISO 9239-1:2010 and EN ISO 11925-2:2010
<b>Specification Standard</b>	EN 13501-1:2018
<b>Test Conclusion</b>	The samples were tested according to the above standards, and the results are shown in the following page.

#### Note:

1.This report relates specifically to the sample(s) that were drawn and provided by the applicant or their nominated third party. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and/or shipment and only relate to the sample(s) as received and tested.

### Report Authorized


  
 Name: Sally Xie      Name: Tod Qian  
 Title: Reviewer      Title: Project Engineer

# Test Report

Issue Date: 2019/7/15

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## Test Items, Method and Results:

EN 13501-1:2018 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests

### 1.1 CRITICAL HEAT FLUX TEST

The test was conducted in accordance with EN ISO 9239-1. This test evaluates the wind-opposed burning behaviour and spread of flame of horizontally mounted floorings exposed to a heat flux radiant gradient in a test chamber, when ignited with pilot flames.

### 1.2 IGNITABILITY TEST

The test was conducted in accordance with EN ISO 11925-2. This test evaluates the ignitability of a product under exposure to a small flame.

### 1.3 CLASSIFICATION CRITERIA

The classification was determined in accordance with EN 13501-1:2018. The class B<sub>fl</sub> with its corresponding fire performance is given in the table below.

Table - Classes of reaction to fire performance for flooring.

Class	Test Method(s)	Classification criteria	Additional classifications
B <sub>fl</sub>	EN ISO 9239-1 <sup>a</sup> and	Critical flux <sup>b</sup> ≥ 8.0 kW/m <sup>2</sup>	Smoke production <sup>c</sup>
	EN ISO 11925-2 <sup>d</sup> Exposure = 15 s	F <sub>s</sub> ≤ 150 mm within 20 s	-

#### Note:

- a. Test duration = 30 min.
- b. Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a test period of 30 min, whichever is the lower (i.e. the flux corresponding with the furthest extent of spread of flame).
- c. s1 = Smoke ≤ 750 % minutes; s2 = not s1.
- d. Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack.

# Test Report

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**Test Items, Method and Results:**

**2 RESULTS AND OBSERATIONS**

Method	Parameter	Result
EN ISO 9239-1:2010	Critical flux (transverse), kW/m <sup>2</sup>	≥11.0
	Critical flux (longitudinal), kW/m <sup>2</sup>	≥11.0
	Smoke production, % minutes	0
EN ISO 11925-2:2010 Exposure = 15 s	F <sub>s</sub> ≤ 150 mm within 20 s	Yes

**3 CLASSIFICATION**

The classification has been carried out in accordance with EN 13501-1.

Fire behaviour		Smoke production
<i>B<sub>fl</sub></i>	- s	1

Reaction to fire classification: *B<sub>fl</sub>-s1*

## Test Report

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### Test Items, Method and Results:

#### 4 Test Photos of EN ISO 9239-1



Before test



After test

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### Appendix A: Sample Received Photo



Front View(Test Face)



Back View



Section View

### Revision:

NO.	Date	Changes	Author	Reviewer
190708003SHF-001	2019-07-15	First issue	Tod Qian	Sally Xie