

# MCX GROUP PTY LTD

## TEST REPORT

**SCOPE OF WORK**

WPC Decking

**REPORT NUMBER**

191209008SHF-001

**TEST DATE(S)**

2019-12-09 - 2019-12-24

**ISSUE DATE**

2019-12-24

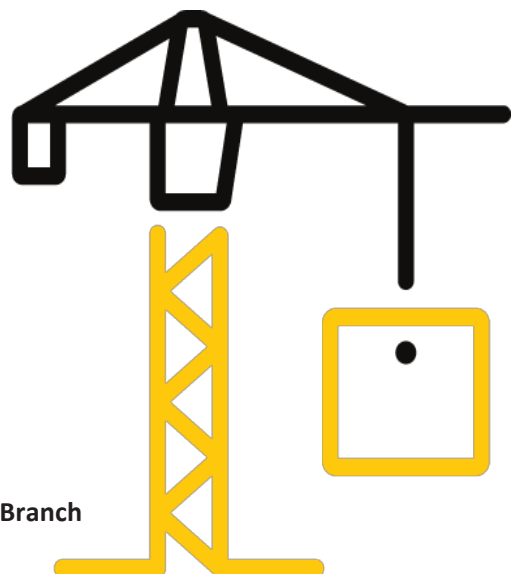
**PAGES**

5

**DOCUMENT CONTROL NUMBER**

LFT-APAC-SHF-OP-10k(May 1, 2019)

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## Test Report

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## Test Report

Issue Date: 2019-12-24 Intertek Report No. 191209008SHF-001  
 Applicant: MCX International Pty Ltd  
 Address: Level 2, Riverside Quay 1 Southbank Boulevard SOUTHBANK VIC 3006 AUSTRALIA  
 Attn: Sylvio Hennequin  
 Test Type : Performance test, samples provided by the applicant.

### Product Information

<b>Product Name</b>	WPC Decking	<b>Brand</b>	MCX
<b>Sample Description</b>	Good Condition	<b>Sample Amount</b>	20 pieces
		<b>Received Date</b>	2019-12-04
<b>Sample ID</b>	<b>Model</b>	<b>Specification</b>	
S191209008SHF.001	137x23	/	

### Test Methods And Standards

<b>Test Standard</b>	ANSI/UL 94-2018
<b>Specification Standard</b>	/
<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


  
*Tod Qian*      *Huang*
  
 Name: Tod Qian      Name: Huth Huang
   
 Title: Reviewer      Title: Project Engineer

# Test Report

Issue Date: 2019-12-24

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## Test Items, Method and Results:

Test Method: ANSI/UL 94-2018 Standard for Safety - Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, Section 7: Horizontal Burning Test

### 1. CONDITIONING

Two sets of specimens were preconditioned at 23±2 °C and 50±10 % relative humidity for a minimum of 48 hours. Once removed from the pre-conditioning atmosphere, the specimens were tested within 30 minutes.

### 2. HORIZONTAL BURNING TEST

The specimens were marked with two lines perpendicular to the longitudinal axis of the bar, 25 mm and 100 mm from the end and clamped from the end farthest from the 25 mm mark, with its longitudinal axis horizontal and its transverse axis inclined at 45 ±2 degrees and then subjected to a standard test flame for 30s . The damaged length and elapsed time was recorded if flame front passed the 25 mm mark but ceased before the 100 mm mark, or the elapsed time was recorded if flame front passed the 100 mm mark.

### 3. CLASSIFICATION CRITERIA

3.1 A material classed HB shall:

- a) Not have a burning rate exceeding 40 mm per minute over a 75 mm span for specimens having a thickness of 3.0 to 13 mm, or
- b) Not have a burning rate exceeding 75 mm per minute over a 75 mm span for specimens having a thickness less than 3.0 mm, or
- c) Cease to burn before the 100 mm reference mark.

3.2 If only one specimen from a set of three specimens does not comply with the requirements, another set of three specimens is to be tested. All specimens from this second set shall comply with the requirements in order for the material in that thickness to be classified HB.

### 4. RESULTS AND OBSERATIONS

Measured specimen size: 13.3 mm wide × 126 mm long × 11.9 mm thick

The sample test results are shown in the Table below.

Item	1	2	3
whether flame pass the 25mm mark	No	No	No
Damage lenth(L), mm	0	0	0
Elapsed time(t), s	0	0	0
Burning rate, mm/min	0	0	0
Verdict	HB		

### 5. CONCLUSION

The behavior of specimens meets the requirement of classification HB of ANSI/UL 94-2013(R2017).

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## Appendix A: Sample Received Photo



Length



Width



Thickness

### Revision:

NO.	Date	Changes	Author	Reviewer
191209008SHF-001	2019-12-24	First issue	Huth Huang	Tod Qian