

# Guangzhou Yorklon Wallcovering Limited

## TEST REPORT

**SCOPE OF WORK**

Wallcovering

**REPORT NUMBER**

200622006SHF-001

**TEST DATE(S)**

2020-06-22 - 2020-07-02

**ISSUE DATE**

2020-07-06

**PAGES**

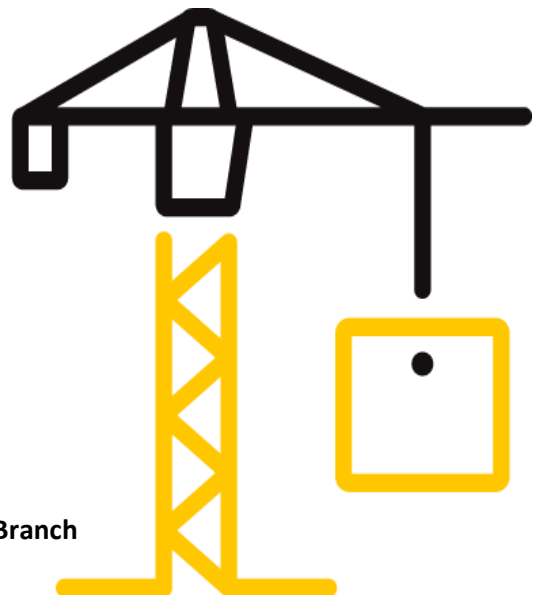
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**DOCUMENT CONTROL NUMBER**

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## Test Report

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# Test Report

Issue Date: 2020-07-06 Intertek Report No. 200622006SHF-001  
 Applicant: Guangzhou Yorklon Wallcovering Limited  
 Address: RM 1813, Cheng Qi Tower, No.63 Nan An Road, Liwan District, Guangzhou  
 Attn: Xiaorui Wei  
 Test Type : Performance test, samples provided by the applicant.

### Product Information

<b>Product Name</b>	Wallcovering	<b>Brand</b>	Yorklon Wallcovering Ltd
<b>Sample Description</b>	Good Condition	<b>Sample Amount</b>	1 roll
		<b>Received Date</b>	2020-06-19
<b>Sample ID</b>	<b>Model</b>	<b>Specification</b>	
S200622006SHF.001	MW Fabric backed Wallcovering	0.95-1.45m Wide	

### Test Methods And Standards

<b>Test Standard</b>	ASTM E84-20
<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


  
 Name: Tod Qian Name: Jay Gong  
 Title: Reviewer Title: Project Engineer



## Test Report

Issue Date: 2020-07-06

Intertek Report No. 200622006SHF-001

### Test Items, Method and Results:

Test Method: ASTM E84-20 Standard Test Method for Surface Burning Characteristics of Building Materials

### Specimen Mounting Method:

The 23.95-ft. long x 23.81-in. wide x 0.023-in. thick test specimen was "Wallcovering". The specimen was glueing on the 6.3mm thick fiber cement board as per applicant's requirement. The coverage rate of adhesive is 0.2kg/m<sup>2</sup>, and the adhesive was provided by applicant.

The front surface was exposed to the fire, detail see Appendix A Front View.

The specimen within fiber cement board was self-supported.

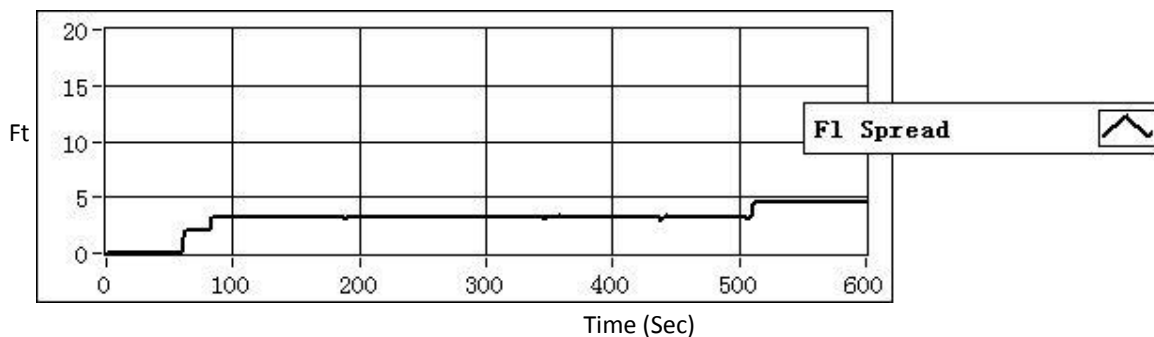
### Test Observation (min:sec)

Melting	Blistering	Transient Ignition	Steady Ignition	Flaming drops
/	/	/	0:50	/
Delamination	Sagging	Shrinkage	Falling	Floor Flame
/	/	/	1:20	/

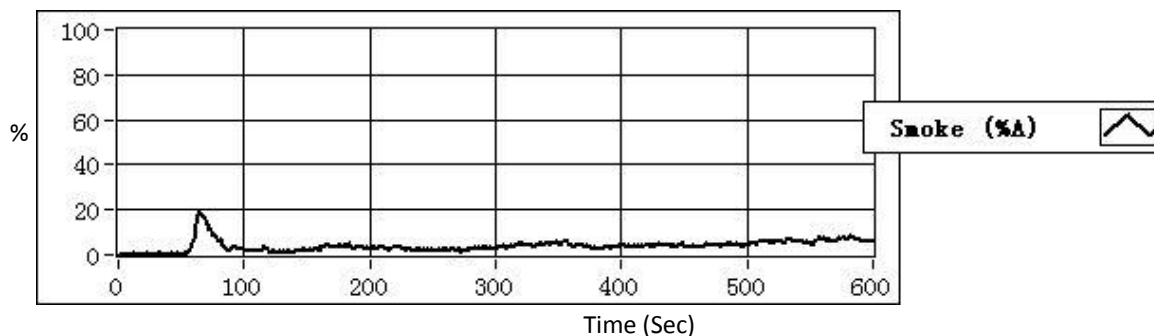
### Test Result

Flame Spread Index (FSI)	15	Smoke Developed Index(SDI)	50
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### Flame spread graph



### Smoke developed graph



## Test Report

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Intertek Report No. 200622006SHF-001

### Appendix A: Sample Received Photo



Front surface (Test Face)



Woven Cotton Backing (Back View)



Front view



Adhesive



### Revision:

NO.	Date	Changes	Author	Reviewer
200622006SHF-001	2020-07-06	First issue	Jay Gong	Tod Qian

**N 9.14.4 Emergency Action Plan.** The completed emergency action plan in accordance with Section 4.8 shall be used for the design of the mass notification/emergency communications system.

## Chapter 10 Interior Finish, Contents, and Furnishings

### 10.1 General.

**10.1.1 Application.** The interior finish, contents, and furnishings provisions set forth in this chapter shall apply to new construction and existing buildings.

**10.1.2 Automatic Sprinkler Systems.** Where another provision of this chapter requires an automatic sprinkler system, the automatic sprinkler system shall be installed in accordance with the subparts of 9.7.1.1 as permitted by the applicable occupancy chapter.

### 10.1.3 Definitions.

**10.1.3.1 General.** For definitions see Chapter 3 Definitions.

**10.1.3.2 Special Definitions.** A list of special terms used in this chapter follows:

- (1) **Contents and Furnishings.** See 3.3.50.
- (2) **Flashover.** See 3.3.116.
- (3) **Interior Finish.** See 3.3.95.2.
- (4) **Interior Ceiling Finish.** See 3.3.95.1.
- (5) **Interior Floor Finish.** See 3.3.95.3.
- (6) **Interior Wall Finish.** See 3.3.95.4.

### 10.2\* Interior Finish.

#### 10.2.1\* General.

**Δ 10.2.1.1** Classification of interior finish materials shall be in accordance with tests made under conditions simulating actual installations, provided that the authority having jurisdiction is permitted to establish the classification of any material for which classification by a standard test is not available.

**N 10.2.1.2** Fixed or movable walls and partitions, paneling, wall pads, and crash pads applied structurally or for decoration, acoustical correction, surface insulation, or other purposes shall be considered interior finish and shall not be considered decorations or furnishings.

**N 10.2.1.3** Lockers shall be considered interior finish.

**N 10.2.1.4** Washroom water closet partitions shall be considered interior finish.

**N 10.2.1.5** Fire-retardant coatings shall be in accordance with 10.2.6.

#### **N 10.2.2\* Use of Interior Finishes.**

**10.2.2.1** Requirements for interior wall and ceiling finish shall apply as follows:

- (1) Where specified elsewhere in this *Code* for specific occupancies (see *Chapter 7 and Chapters 11 through 43*)
- (2) As specified in 10.2.3 through 10.2.6.

**10.2.2.2\*** Interior floor finish shall comply with 10.2.7 under any of the following conditions:

- (1) Where floor finish requirements are specified elsewhere in the *Code*

- (2) Where the fire performance of the floor finish cannot be demonstrated to be equivalent to floor finishes with a critical radiant flux of at least 0.1 W/cm<sup>2</sup>

**Δ 10.2.3\* Interior Wall or Ceiling Finish Testing and Classification.** Where interior wall or ceiling finish is required elsewhere in this *Code* to be classified for fire performance and smoke development, it shall be classified in accordance with 10.2.3.1 or 10.2.3.3, except as indicated in sections 10.2.4.

#### **N 10.2.3.1 Interior Wall and Ceiling Finish Materials Tested in Accordance with NFPA 286.**

**N 10.2.3.1.1** Interior wall and ceiling finish materials shall be classified in accordance with NFPA 286 and comply with 10.2.3.2.

**N 10.2.3.1.2** Materials tested in accordance with 10.2.3.1.1 and complying with 10.2.3.2 shall be considered also to comply with the requirements of a Class A, Class B, or Class C in accordance with 10.2.3.3.

**N 10.2.3.2 Acceptance Criteria for NFPA 286.** The interior finish shall comply with the following:

- (1) During the 40 kW exposure, flames shall not spread to the ceiling.
- (2) The flame shall not spread to the outer extremity of the sample on any wall or ceiling.
- (3) Flashover, as described in NFPA 286, shall not occur.
- (4) The peak heat release rate throughout the test shall not exceed 800 kW.
- (5) For new installations, the total smoke released throughout the test shall not exceed 1000 m<sup>3</sup>.

**N 10.2.3.3\* Interior Wall and Ceiling Finish Materials Tested in Accordance with ASTM E84 or ANSI/UL 723.** Interior wall and ceiling finish materials shall be classified in accordance with ASTM E84, *Standard Test Method for Surface Burning Characteristics of Building Materials*, or ANSI/UL 723, *Standard Test Method for Surface Burning Characteristics of Building Materials*, except as indicated in 10.2.3.4 and 10.2.3.5, and shall be grouped in the following classes in accordance with their flame spread and smoke developed indexes.

- (1) Class A: Flame spread index 0–25; smoke developed index 0–450.
- (2) Class B: Flame spread index 26–75; smoke developed index 0–450.
- (3) Class C: Flame spread index 76–200; smoke developed index 0–450.

**Δ 10.2.3.3.1** Existing interior finish shall be exempt from the smoke developed index criteria of 10.2.3.3.

**N 10.2.3.3.2** The classification of interior finish specified in 10.2.3.3 shall be that of the basic material used by itself or in combination with other materials.

**N 10.2.3.3.3** Wherever the use of Class C interior wall and ceiling finish is required, Class A or Class B shall be permitted, and where Class B interior wall and ceiling finish is required, Class A shall be permitted.

**N 10.2.3.4** Materials complying with the requirements of 10.2.3.1 shall not be required to be tested in accordance with 10.2.3.3.

**N 10.2.3.5** Materials described in 10.2.4 shall be tested as described in the corresponding sections.