



中国认可  
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检测  
TESTING  
CNAS L6069



## Test Report

**Report No.** TC.21.05.002052

**Date of Issue** 06/11/2021

**Applicant:** Guangzhou Yorklon Wallcoverings Limited

**Applicant address:** Rm 1813,18/F Cheng Qi Tower, No.63 Nan An Road, Liwan District, 510160, Guangzhou, China

**Description of the test subject:**

Sample	Description	Photo
001	<p>Sample Description: Yorklon YL Textile Wallcovering</p> <p>End use: Wall decoration</p> <p>Country of origin: China</p>	

**Receipt Date of Sample:** 05/28/2021

**Date of Testing:** From 05/28/2021 to 06/10/2021

**Sample submitted:** The sample(s) was (were) submitted by applicant and identified.

### Conclusion:

Test Items			Conclusion
No.	Items	Standard	
1	Fire classification of construction products and building elements- Part 1: Classification using data from reaction to fire tests	EN 13501-1:2007+A1:2009	B-s1, d0

Note: (1) General Terms & Conditions as mentioned overleaf. (2) The results relate only to the items tested. (3) The test report shall not be reproduced except in full without the written approval of the company. (4) Samples are tested as received.

Laboratory:  
TUV SUD SW Rail Transportation  
Technology (Jiangsu) Co., Ltd.



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### Test Results

#### EN 13501-1:2007+A1:2009 Fire classification of construction products and building elements- Part 1: Classification using data from reaction to fire tests

#### 1. EN 13823:2010 reaction to fire tests for building products – building products excluding floorings exposed to the thermal attack by a single burning item

##### 1.1 Sample details

Sample size	Long limb:1500mm×1000mm
	Short limb:1500mm×495mm
Thickness	About <u>0.6</u> mm

Precondition	Temperature (°C)	Humidity (%)	Duration (h)
	23±2	50±10	24

##### 1.2 Results

	1	2	3	Average
FIGRA <sub>0.2MJ</sub> (W/S)	0	21.2	0	7.1
FIGRA <sub>0.4MJ</sub> (W/S)	0	21.2	0	7.1
LFS< edge of specimen (Yes/No)	Yes	Yes	Yes	--
THR <sub>600s</sub> (MJ)	0	1.3	0.8	0.7
SMOGRA(m <sup>2</sup> /s <sup>2</sup> )	0	0	0	0
TSP <sub>600s</sub> (m <sup>2</sup> )	26.9	26.9	27.9	27.2
Flaming particles or droplets (Yes/No)	No	No	No	--
Observe	--			

##### Remark:

FIGRA<sub>0.2MJ</sub>=maximum of the quotient of heat release rate from the specimen and the time of its occurrence using a THR-threshold of 0.2MJ

FIGRA<sub>0.4MJ</sub>=maximum of the quotient of heat release rate from the specimen and the time of its occurrence using a THR threshold of 0.4MJ

LFS=lateral flame spread on the long specimen wing

THR<sub>600s</sub>=Total heat release from the specimen in the first 600s of exposure to the main burner flames

SMOGRA=smoke growth rate. the maximum of the quotient of smoke production rate from the specimen and the time of its occurrence

TSP<sub>600s</sub>=Total smoke production from the specimen in the first 600s of exposure the main burner flames

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**2. EN ISO 11925-2:2010/AC:2011 Reaction to fire tests- ignitability of building products subjected to direct impingement of flame- part2: single-flame source**

### 2.1 Sample details

Sample size	250mm×90mm
Thickness	About <u>0.6</u> mm

Precondition	Temperature (°C)	Humidity (%)	Duration (h)
	23±2	50±5	48

### 2.2 Test results

#### Face ignition

Specimen	1	2	3
Whether ignition occurs (Yes/No)	Yes	Yes	Yes
Whether the flame tip reaches 150mm above the flame application point (Yes/No)	No	No	No
The time of the flame tip reaches 150mm above the flame application point.	--	--	--
Whether ignition of the filter paper occurs(Yes/No)	No	No	No

#### Edge ignition

Specimen	1	2	3
Whether ignition occurs (Yes/No)	Yes	Yes	Yes
Whether the flame tip reaches 150mm above the flame application point (Yes/No)	No	No	No
The time of the flame tip reaches 150mm above the flame application point.	--	--	--
Whether ignition of the filter paper occurs(Yes/No)	No	No	No

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**EN 13501-1:2007+A1:2009 table 1 - classification:**

Classification	Test method	Classification criteria
B	EN 13823 and	FIGRA <sub>0.2MJ</sub> ≤ 120W/S; LFS < edge of specimen THR <sub>600s</sub> ≤ 7.5 MJ
	EN ISO 11925-2 Exposure = 30 s	Fs ≤ 150mm within 60s
Additional classification	Smoke	s1 SMOGRA ≤ 30 m <sup>2</sup> /s <sup>2</sup> , TSP <sub>600s</sub> ≤ 50m <sup>2</sup>
		s2 SMOGRA ≤ 180 m <sup>2</sup> /s <sup>2</sup> , TSP <sub>600s</sub> ≤ 200m <sup>2</sup>
		s3 Not s1 or s2
	Flaming droplets/particles	d0 No flaming droplets/particles occur within 600s
		d1 No flaming droplets/particles persisting longer than 10 s within 600s
		d2 Not d0 or d1 Ignites of the paper in EN ISO 11925-2 results in a d2 classification.

**Conclusion:**

Test standard	Record	Conclusion
EN 13823	FIGRA <sub>0.2MJ</sub> = 7.1W/S LFS < Sample edge THR <sub>600s</sub> = 0.7MJ SMOGRA = 0m <sup>2</sup> /s <sup>2</sup> TSP <sub>600s</sub> = 27.2m <sup>2</sup> No flaming droplets/particles occur within 600s	B-s1, d0
EN ISO 11925-2	FS ≤ 150mm within 60s	

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**Statement:** The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential smoke and toxicity hazard of the product in use. Test results are just for internal reference.

TÜV SÜD SW Rail Transportation Technology (Jiangsu) Co., Ltd.

Drafted by:

Jianzhong Qin

Approved by:

Wayne Wang

-End of Report-

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