

Test Report

SL52105269113101TX

Date:June 07,2021

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TAYA CANVAS(SHANGHAI)CO.,LTD

NO. 777 FENGGUAN ROAD, FENGJING INDUSTRIAL PARK, JINSHAN DISTRICT, SHANGHAI, CHINA.

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

Sample Description : (A)Sample

Sample Color : (A)Greyback Style No. : Gecko 320GB

Proposed Care Instruction: -

Sample Receiving Date : May 21, 2021

Testing Period : May 24, 2021 - Jun 07, 2021

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the

sample(s) tested, for further details, please refer to the following page(s).

Test Performed : Selected test(s) as requested by applicant

Signed for and on behalf of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

Alice Wang (Authorized Signatory)

Alice Wan





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**Test Results** 

Flammability Test

Test Requested : EN 13501-1:2018 Fire classification of construction products and building

elements - Part 1: Classification using test data from reaction to fire tests.

Classes of reaction to fire performance for construction products excluding

floorings and linear pipe thermal insulation products, Class B.

<u>Test Results</u> : -- See attached sheet --

#### I. Test Conducted

This test was conducted in accordance with EN 13501-1:2018 Fire classification of construction products and building elements - Part 1: Classification using test data from reaction to fire tests. And the test methods as following:

- 1) EN 13823:2020 Reaction to fire tests for building products Building products excluding floorings exposed to the thermal attack by a single burning item.
- 2) EN ISO 11925-2:2020 Reaction to fire tests Ignitability of products subjected to direct impingement of flame Part 2: Single-flame source test.

# II. Sample Details

Specimens Size	1500x1000mm & 1500x495mm 250x90mm	Tested Face	Front side				
Substrate	Gypsum plasterboard	Fixing method	Fix mechanically				
Splicing method	None						
Mounting and fixing	Gypsum plasterboard, with its density approximate 650kg/m³, thickness approximate 12mm, is as the substrate.  The Test specimens are fixed mechanically to the substrate  No joint in the long and short wings of the specimen.						



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Test Report III. Test Results

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Test method	Parameter	Results
	FIGRA <sub>0.2MJ</sub> (W/s)	38.2
	FIGRA <sub>0.4MJ</sub> (W/s)	0
	LFS < edge of specimen	Yes
EN 13823	THR <sub>600s</sub> (MJ)	0.7
	SMOGRA(m <sup>2</sup> /s <sup>2</sup> )	53.5
	TSP <sub>600s</sub> (m <sup>2</sup> )	42.1
	Flaming droplets/particles	No
EN ISO 11925-2 i	Fs ≤ 150 mm	Yes
Exposure = 30 s	Ignition of the filter paper	No

## IV. Classification and field of application

#### a) Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018. The classes with their corresponding fire performance are given in annex A.

#### b) Classification

The product, in relation to its reaction to fire behaviour is classified:

MEET	Class B	
Classification	B-s2, d0	

### c) Field of application

This classification is valid for the following end use applications:

- --- With all substrates classified A1 or A2
- --- Fix mechanically
- --- No join

This classification is valid for the following product parameters:

--- Characteristics as described in section II of this test reports.

### IV. 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 fire hazard of the product in use.



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#### Annex A

Classes of reaction to fire performance for construction products excluding floorings and linear pipe thermal insulation products

Class	s Test method(s)		Classification criteria	Additional classification	
	EN ISO 1182 a and		△T≤30°C, and △m≤50%, and t <sub>f</sub> =0(i.e. no sustained flaming)	-	
A1	A1 EN ISO 1716		PCS≤2.0MJ/kg <sup>a</sup> and PCS≤2.0MJ/kg <sup>b c</sup> and PCS≤1.4MJ/m <sup>2 d</sup> and PCS≤2.0MJ/kg <sup>e</sup>	-	
A2	EN ISO 1182 a or	and	△T≤50°C, and △m≤50%, and tr≤20 s	-	
	EN ISO 1716		PCS≤3.0MJ/kg <sup>a</sup> and PCS≤4.0MJ/m <sup>2</sup> <sup>b</sup> and PCS≤4.0MJ/m <sup>2</sup> <sup>d</sup> and PCS≤3.0MJ/kg <sup>e</sup>	-	
	EN 13823		FIGRA0,2 MJ≤120W/s and LFS <edge and="" of="" specimen="" thr<sub="">600s≤7.5MJ</edge>	Smoke production <sup>f</sup> and Flaming droplets/particles <sup>g</sup>	
В	EN 13823 and		FIGRA0,2 MJ≤120W/s and LFS <edge and="" of="" specimen="" thr<sub="">600s≤7.5MJ</edge>	Smoke production <sup>f</sup> and Flaming droplets/particles <sup>g</sup>	
	EN ISO 11925-2 i Exposure =30s		within 60s Fs≤150mm	Triaming droplets/particles	
С	EN 13823		FIGRA0,4 MJ≤250W/s and LFS <edge and="" of="" specimen="" thr<sub="">600s≤15MJ</edge>	Smoke production <sup>f</sup> and Flaming droplets/particles <sup>g</sup>	
	EN ISO 11925-2 i Exposure=30s		Fs≤150mm within 60 s		
D	EN 13823 and		FIGRA0,4 MJ≤750W/s	Smoke production <sup>f</sup> and Flaming droplets/particles <sup>g</sup>	
J D	EN ISO 11925-2 i Exposure=30s		Fs≤150mm within 60 s		
Е	EN ISO 11925-2 i Exposure =15s		Fs≤150mm within 20 s	Flaming droplets/particles h	
F	EN ISO 11925-2 <sup>i</sup> Exposure = 15s		Fs>150mm within 20 s	50mm within 20 s	

- <sup>a</sup> For homogeneous products and substantial components of non-homogeneous products.
- <sup>b</sup> For any external non-substantial component of non-homogeneous products.
- <sup>c</sup> Alternatively, any external non-substantial component having a PCS ≤ 2,0 MJ/m², provided that the product satisfies the following criteria of EN 13823: FIGRA ≤ 20 W/s, and LFS < edge of specimen, and THR<sub>600s</sub> ≤ 4,0 MJ, and s1, and d0.
- d For any internal non-substantial component of non-homogeneous products.
- e For the product as a whole.
- f s1 = SMOGRA ≤  $30m^2/s^2$  and TSP<sub>600s</sub> ≤  $50m^2$ ; s2 = SMOGRA ≤  $180m^2/s^2$  and TSP<sub>600s</sub> ≤  $200m^2$ ; s3 = not s1
- g d0 = No flaming droplets/ particles in EN 13823 within 600 s;
- d1 = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s;
- d2 = not d0 or d1.



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Ignition of the paper in EN ISO 11925-2 results in a d2 classification.

h Pass = no ignition of the paper (no classification);

Fail = ignition of the paper (d2 classification).

<sup>i</sup> Under conditions of surface flame attack and, if appropriate to the end–use application of the product, edge flame attack.

Sample Photo



Before test(EN 13823)

After test(EN 13823)

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



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