Test Report

UFABRIK LIMITED

EUROPEAN OFFICE : BUILDING 329, SUITE G4, DONCASTLE ROAD, BRACKNELL, BERKSHIRE. RG12 8PE. UK

The following sample(s) was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion. results apply to the sample as received.

Sample Description: UFABRIK UNIVERSAL BACKLIT TEXTILE

Color: WHITE

Item No.:/

Test Requested:

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

Test Results: -- See attached sheet –

Test Period:

Sample Receiving Date	:	APR.20, 2020
Test Performing Date	:	APR.20, 2020 TO APR.26, 2020

Signed for and on behalf of
SGS-CSTC Co., Ltd. Anji Branch

Allen Zou
Lab Manager

SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch Fire Technology Service

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I. Test conducted

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

1. EN 13823:2010+A1:2014 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: 2010+Corl:2011 Reaction to fire tests — Ignitability of building products subjected to direct impingement of flame — Part 2: Single-flame source test.

II. Details of classified product

a) Nature and end use application

The product “Fabric” is defined as a decorative sheet. Its classification is valid for the following end use application: LED Light Box, Frame System, Pop-up, Sun-umbrellas, SEG.

b) Description

Description	Fabric
Color	White
Sample size	EN 13823:1500mm×1000mm &1500mm×495mm EN ISO 11925-2: 250mm×90mm
Mass per unit area	175 g/m^2
Test surface	Coating surface

Mounting and fixing:

The test specimens are fixed mechanically in the trolley, champed at the top and the bottom.

III. Test results

Test method	Parameter	Number of tests	Results
EN 13823	FIGRA$_{0.2MJ}$ (W/s)	3	37.4
	FIGRA$_{0.4MJ}$ (W/s)		37.4
	Whether lateral flame spread (LFS) to the edge of specimen (Yes/No)		No
	THR$_{600s}$ (MJ)		4.2
	SMOGRA (m^2/s^2)		0.8
	TSP$_{600s}$ (m^2)		15.9
	Flaming particles or droplets (Yes/No)		No

To be continued…

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Test method	Parameter	Specimen number	Results
EN ISO 11925-2 Exposure = 30 s	Whether vertical flame spread (Fs) in excess of 150 mm within 60s (Yes/No)	6	No
	Ignition of the filter paper (Yes/No)		No

IV. Classification and field of application

a) Reference of classification

This classification has been carried out in accordance with **EN 13501-1:2018.**

b) Classification

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

Fire behaviour		**Smoke production**			**Flaming droplets**	
B	—	s	1	,	d	0

Reaction to fire classification: B—s1, d0

Remark: The classes with their corresponding fire performance are given in annex A.

c) Field of application

This classification is valid for the following end use applications:

--- With mechanically fixing

--- No joint.

This classification is valid for the following product parameters:

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

Statement:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

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.

To be continued…

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Warning:

This classification report does not represent type approval or certification of the product.

The test laboratory has, therefore, play no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

Annex A

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

Class	Test method(s)		Classification criteria	Additional classification
A1	EN ISO 1182 [a]	and	$\Delta T \leq 30℃$, and $\Delta m \leq 50\%$, and $t_f = 0$(i.e. no sustained flaming)	-
	EN ISO 1716		*PCS*≤2.0MJ/kg [a] and *PCS*≤2.0MJ/kg [b c] and *PCS*≤1.4MJ/m² [d] and *PCS*≤2.0MJ/kg [e]	-
A2	EN ISO 1182 [a] or	and	$\Delta T \leq 50℃$, and $\Delta m \leq 50\%$, and $t_f \leq 20$ s	-
	EN ISO 1716		*PCS*≤3.0MJ/kg [a] and *PCS*≤4.0MJ/m² [b] and *PCS*≤4.0MJ/m² [d] and *PCS*≤3.0MJ/kg [e]	-
	EN 13823		*FIGRA*≤120W/s and *LFS*＜edge of specimen and $THR_{600s} \leq 7.5$MJ	Smoke production [f] and Flaming droplets/particles [g]
B	EN 13823	and	*FIGRA*≤120W/s and *LFS*＜edge of specimen and $THR_{600s} \leq 7.5$MJ	Smoke production [f] and Flaming droplets/particles [g]
	EN ISO 11925-2 [i] Exposure =30s		within 60s *F*s≤150mm	
C	EN 13823	and	*FIGRA*≤250W/s and *LFS*＜edge of specimen and $THR_{600s} \leq 15$MJ	Smoke production [f] and Flaming droplets/particles [g]
	EN ISO 11925-2 [i] Exposure=30s		*F*s≤150mm within 60 s	
D	EN 13823	and	*FIGRA*≤750W/s	Smoke production [f] and Flaming droplets/particles [g]
	EN ISO 11925-2 [i] Exposure=30s		*F*s≤150mm within 60 s	
E	EN ISO 11925-2 [i] Exposure =15s		*F*s≤150mm within 20 s	flaming droplets/particles [h]

To be continued…

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F	EN ISO 11925-2[i] Exposure = 15 s	*Fs*＞150mm within 20 s

[a] For homogeneous products and substantial components of non-homogeneous products.
[b] For any external non-substantial component of non-homogeneous products.
[c] Alternatively, any external non-substantial component having a PCS ≤ 2,0 MJ/m^2 , provided that the product satisfies the following criteria of EN 13823: FIGRA ≤ 20 W/s, and LFS < edge of specimen, and THR_{600s} ≤ 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_{600s} ≤ 50m^2 ; s2 = SMOGRA ≤ 180m^2/s^2 and TSP_{600s} ≤ 200m^2; s3 = not s1 or s2
[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.
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).
[i] Under conditions of surface flame attack and, if appropriate to the end–use application of the product, edge flame attack.

To be continued…

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Photo Appendix:

Before test	After test
Before test	After test

SGS authenticate the photo on original report only

End of Report

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