

Test Report

No. AJHL1610011905FB

Date: NOV.12, 2016

Page 1 of 6

WUJIANG SARYTEX CO LTD.

2/F, NO.3368, YUANQU ROAD, SHENGZE TOWN, SUZHOU – 215228, CHINA

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

Sample Description: 100% POLY FABRIC WITH PU COATING FINISH 166CM

Color: LG

Style/Item No.: NMS

Buyer: PRIHODA

Manufacturer: SARYTEX

Country of Destination: CZ

Test Requested:

EN 13501-1:2007+A1:2009 Fire classification of construction products and building elements – Part 1:
Classification using data from reaction to fire tests, Class A2

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date : OCT.28, 2016

Test Performing Date : OCT.28, 2016 TO NOV.10, 2016

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

Allen Zou
Technical Manager



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I. Test conducted

This test is conducted as per EN 13501-1:2007+A1:2009 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 Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item.
2. EN ISO 1716:2010 Reaction to fire tests for building products — Determination of the heat of combustion.

II. Details of classified product

a) Nature and end use application

The product “100% POLY FABRIC WITH PU COATING FINISH 166CM” is defined as decorative sheet. Its end used for: Air diffuser.

b) Description

Sample Description	100% POLY FABRIC WITH PU COATING FINISH 166CM
Color	Grey
Mass per unit area	About 272g/m ²

Mounting and fixing:

The test specimens are fixed mechanically in the trolley, clamped at the top and the bottom. The test specimens are free standing at a distance of 90mm from the backing board. No joint in the long wing of the specimen.

To be continued...



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III. Test results

Test method	Parameter	Number of tests	Results
EN 13823	FIGRA (W/s)	3	2.1
	LFS < edge of specimen		Yes
	THR _{600s} (MJ)		0.2
	SMOGRA (m ² /s ²)		0.3
	TSP _{600s} (m ²)		1.4
	Flaming particles or droplets		No
EN ISO 1716	PCS/ MJ/kg ^a	3	---
	PCS/ MJ/kg ^b		---
	PCS/ MJ/m ² ^c		---
	PCS/ MJ/kg ^d		3.20

Note:

PCS — gross calorific potential [MJ/kg or MJ/m²]

IV. Classification and direct field of application

This classification has been carried out in accordance with **EN 13501-1:2007+A1:2009**

a) Classification

The product, "100% POLY FABRIC WITH PU COATING FINISH 166CM", classification is as following,

Fire behaviour	Smoke production	Flaming droplets
A2	— s 1	d 0

Reaction to fire classification: A2—s1, d0

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

b) Field of application

This classification for the submitted sample as described in § II b, is valid for the following end use condition:

- With mechanically fixing
- No joint

To be continued...



This classification is valid for the following product parameters:

---Characteristics of various layers identical to those as described in § II b) of this test report.

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.

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	$\Delta T \leq 30^{\circ}\text{C}$, and $\Delta m \leq 50\%$, and $t_f = 0$ (i.e. no sustained flaming)	-
	EN ISO 1716	$PCS \leq 2.0\text{MJ/kg}$ ^a and $PCS \leq 2.0\text{MJ/kg}$ ^{b,c} and $PCS \leq 1.4\text{MJ/m}^2$ ^d and $PCS \leq 2.0\text{MJ/kg}$ ^e	-
A2	EN ISO 1182 ^a or	$\Delta T \leq 50^{\circ}\text{C}$, and $\Delta m \leq 50\%$, and $t_f \leq 20\text{ s}$	-
	EN ISO 1716		$PCS \leq 3.0\text{MJ/kg}$ ^a and $PCS \leq 4.0\text{MJ/m}^2$ ^b and $PCS \leq 4.0\text{MJ/m}^2$ ^d and $PCS \leq 3.0\text{MJ/kg}$ ^e
	EN 13823	$FIGRA \leq 120\text{W/s}$ and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 7.5\text{MJ}$	Smoke production ^f and Flaming droplets/particles ^g
B	EN 13823 and	$FIGRA \leq 120\text{W/s}$ and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 7.5\text{MJ}$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure =30s	$F_s \leq 150\text{mm}$ within 60s	

To be continued...



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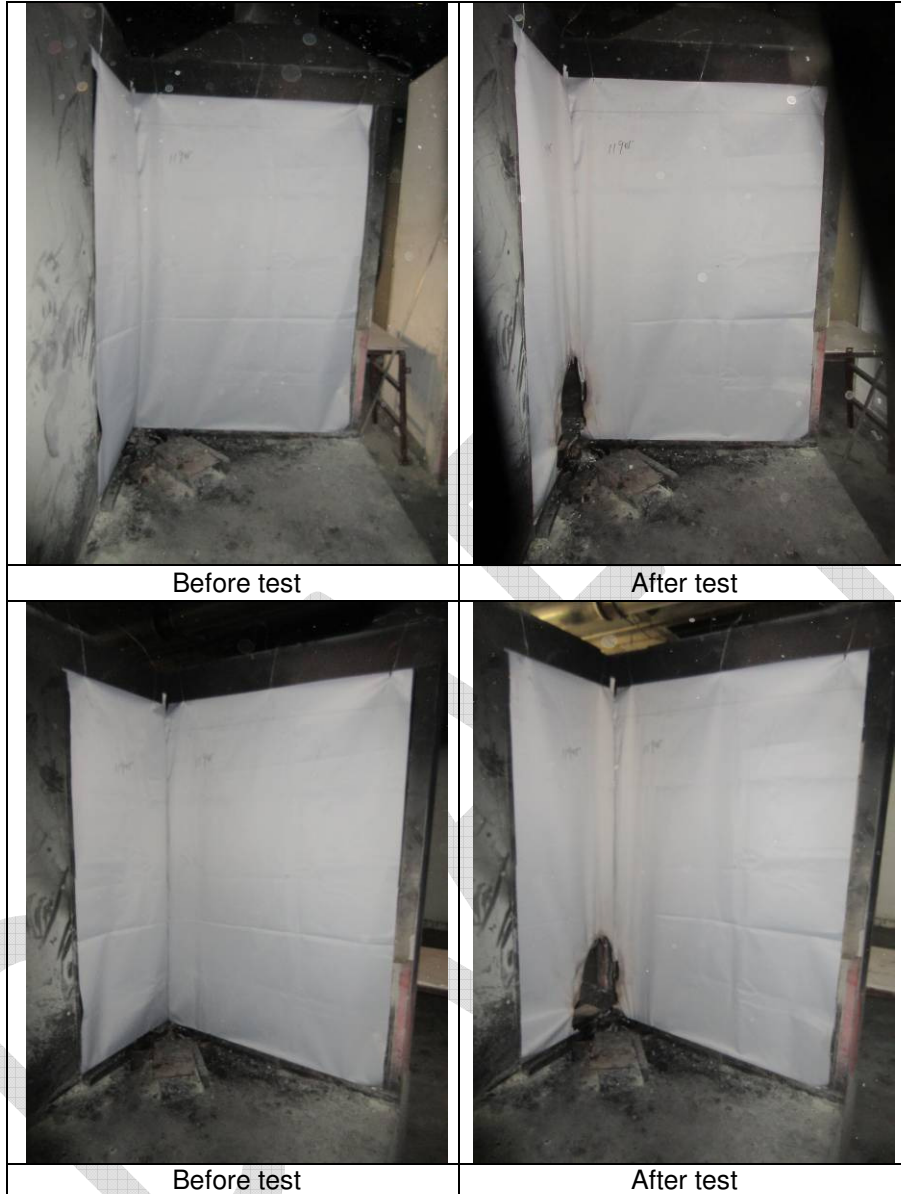
Class	Test method(s)	Classification criteria	Additional classification
C	EN 13823 and	$FIGRA \leq 250W/s$ and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 15MJ$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure=30s	$F_s \leq 150mm$ within 60 s	
D	EN 13823 and	$FIGRA \leq 750W/s$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure=30s	$F_s \leq 150mm$ within 60 s	
E	EN ISO 11925-2 ⁱ Exposure =15s	$F_s \leq 150mm$ within 20 s	flaming droplets/particles ^h
F	No performance determined		

^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 $PCS \leq 2,0 MJ/m^2$, provided that the product satisfies the following criteria of EN 13823: $FIGRA \leq 20 W/s$, and $LFS < \text{edge of specimen}$, and $THR_{600s} \leq 4,0 MJ$, and s_1 , and d_0 .
^d For any internal non-substantial component of non-homogeneous products.
^e For the product as a whole.
^f In the last phase of the development of the test procedure, modifications of the smoke measurement system have been introduced, the effect of which needs further investigation. This may result in a modification of the limit values and/or parameters for the evaluation of the smoke production.
 $s_1 = SMOGRA \leq 30m^2/s^2$ and $TSP_{600s} \leq 50m^2$; $s_2 = SMOGRA \leq 180m^2/s^2$ and $TSP_{600s} \leq 200m^2$; $s_3 = \text{not } s_1 \text{ or } s_2$
^g $d_0 = \text{No flaming droplets/ particles in EN 13823 within 600 s}$;
 $d_1 = \text{no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s}$;
 $d_2 = \text{not } d_0 \text{ or } d_1$.
 Ignition of the paper in EN ISO 11925-2 results in a d_2 classification.
^h Pass = no ignition of the paper (no classification);
 Fail = ignition of the paper (d_2 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...



Photo Appendix:



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End of Report



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