



Test Report

NO. AJHL1605004556FB

Date: MAY.26, 2016

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

Sample Description: THE OXFORD WHICH IS LENGTH 2.5M, WIDTH 1.6M COATED WITH PU

Color: WHITE

Density: LONGITUDE 19, LATIDUTE 14

Thickness: 0.35MM

Composition: 100% POLYESTER

Test Requested:

To determine the flammability (building materials class B1) in accordance with DIN 4102-1 (May 1998) Fire behaviour of building materials and elements Part 1: Classification of building materials, Requirements and testing

Test Results: -- See attached sheet --

Classification: The tested sample meets class B1 building materials requirements of DIN 4102-1 (May 1998).

Test Period:

Sample Receiving Date

MAY.10, 2016

Test Performing Date

MAY.10, 2016 TO MAY.25, 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 was conducted as per DIN 4102-15:1990 DIN 4102-16:1998 and DIN 4102-1:1998 Clause 6.2, and Classification in according to DIN 4102-1 (May 1998) Clause 6.1-Class B1 materials.

II. Sample details

General description / Color	The Oxford Which Is Length 2.5m, Width 1.6m Coated With PU / White
Density	About 273 g/m ²
Size of sample	1000mm×190mm & 190mm×90mm

Conditioning

Prior to testing, the sample was conditioned at least 14 days to constant mass at a temperature of 23 ± 2 °C, and a relative humidity of 50 ± 6 %.

III. Test results

1) "Brandschacht" Test according to DIN 4102-15 &16

Exposed surface: The front face

34	Results of "Brandsch	acht" Test	(part 1)		30 31			
Line	5 45 5 45 50	Unit	Test assemblies No.					
No.		Unit	Α	В	C	D		
1	Specimen fixings according to DIN 4102 part 15, table	50.5	1000	450	97			
2	Max. flame height above lower sample edge;	cm	30	9 6		65		
3	Time 1).	min:s	0:15	, 69 ·	55° E	7 69		
	Melting/burning through	-C2	30 C	17. 18.0				
4	Time 1)	min:s	0:08		5 6	9		
-0	Back of specimen	3	5 9			600		
5.	Flaming/glowing, Time 1)	min:s	0:09	630	25	637		
6	Discolouring, Time 1)	min:s	0:07	557	6	5 6		
1300	Burning droplets	30	G _	9 6		65		
7	Begin ¹⁾	min:s	0:11	100	337	7 .6		
3	Amount	ags.	500		437			
8	Specimen material falling off in separate droplets	CGS	1	077	9 4			
9	Specimen material falling off continuously	5	5 9		1659	200		

To be continued...



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of testing /inspection report & certificate, please contact us at telephone: (86-755)83071443, or email: CN. Doccheck@sgs. com

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_3	Results of "Brandscha	cht" Test	(part 2)	5	453	2500		
Line	5 1 105 do - 2 15 do.	Unit	Test assemblies No.					
No.		Onic	Α	В	С	D		
5	Burning parts	-55	NO		6 9			
10	Begin 1)	min:s	219		CS .	1500		
11	Parts of sample falling off separately		-1		7 6			
12	Parts of sample falling off continuously	300 0	100	450				
13	Duration of continued combustion on mesh base (max.)	min:s	NO	9 4		69		
	Burner flame impairment by dripping/falling material	, S	NO	690	7.6			
14	Time 1)	min:s	1	675				
	Premature ending of test	Slan	T			1		
15	End of burning at specimen 1)	min:s	1	-G2 -	330	200		
16	Time when test terminated (if applicable) 1)	min:s	51		1 29	9		
- 2	Burning after end of test	-55	NO		60			
17	Duration	min:s	915		65	1557		
18	Number of specimens		1	500	7 6			
19	Front of specimen	350	100	- 650	1000			
20	Back of specimen	500	F			100		
21	Height of flame	cm	1		637			
	Glowing after end of test	.65	NO	3	3 4 6 5			
22	Duration	min:s	1		de la c			
23	Number of specimens	- 7	519		0.59			
24	Front of specimen	-C	T	500	7 75			
25	Back of specimen	3500	7/5	45		6		
26	Top half of specimen	500	- 1	50		CS.		
27	Bottom half of specimen .	5 4	1	1.6				

To be continued...



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1.100	Results of t	Brandschacht" Tes	Test assemblies No.					
Line No.		Unit	A		В	C	D	
5	Residual length	-G -G5	- 0	300				
-	5 - 265 - 35 - 5 - 265		58	52			100	
28	Single results	cm	55	50	30		109	
29	Average of the single results	cm	53	3.8	45		5 6	
3-	Smoke temperature	elp ep	9	-			55	
30	Max. of average	°C	16	5.7		65	7 6	
31	Time 1)	min:s	08	:05		497		

Note: 1) time from start of testing

*Reduction in number of test (DIN 4102 Part 16, clause 5.2)

Class B1 materials:

If the residual length measured after the first test is 45cm or greater, further tests are not required.

2) Normal Flammability Test according to DIN 4102-1 Clause 6.2

Flame application: [✓] bottom edge ignition,

Specimen No.	919	2	3	4	- 5
Reaching the measuring mark within 20 seconds	No	No	No	No	No
Self extinguishing of the flame (s)	15	15	15	15	15
Max. flame height (cm)	_ 4 _ 0	5	5	S 4 d	4
End of afterflaming (s)	15	15	15	15	15
End of afterglowing (s)	15	15	15	15	15
Molten dripping	No	No	No	No	No
Smoke developments (visual impression)	Slight				

All timings are from start of testing.

To be continued...



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IV. DIN 4102-1:1998 Criteria for classification

- 1) All materials, except flooring, may be classed as **B1** materials if they meet the following requirements a) and b):
- a) The test using the 'Brandschacht' apparatus described in DIN 4102-15 (cf. subclause 6.1.3.1) shall be deemed passed if
- The mean value for the residual length (portion of specimen that has not burned or charred; cf. subclause
- 9.1 of DIN 4102-16) of each specimen is at least 15 cm and no individual values are lower than 0 cm,
- The mean effluent temperature does not exceed 200 °C in any test,
- The requirement for the residual length of each specimen is met even where there is afterflame, afterglow, or smouldering.
- b) Pass DIN 4102-1: 1998 sub-clause 6.2.3 Ignitability Test if

For each specimen, flaming doesn't reach the gage mark within 20s after flame application.

 Materials may be classed as B2 materials if they pass the ignitibility test specified in DIN 4102-1: 1998 subclause 6.2.5.

For each specimen, flaming doesn't reach the gage mark (150mm marks) within 20s after flame application.

Combustible materials which cannot be classed as B1 or B2 materials shall be classed as B3 materials.

STATEMENTS:

This test report does not replace any mandatory certification of the product that may be required.

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 and smoke hazard of the product in use.

Photo Appendix:



SGS authenticate the photo on original report only



End of Report
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