

No. AJD201203281

Date: JUL.05, 2019

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POSTER AND PANEL S.L.

C/ Els Plans de la Sala, 28 / Pol. Ind. Plans de la Sala, Sallent 08650 Barcelona

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

Sample Description: Textil Tango Pro 200gr SOLATUV FR

SGS Ref No.: PL766550

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 --

Conclusion:

The tested sample meets the low flammability requirements of class B1 of building materials under DIN 4102-1 (May 1998).

There is no fall-off of burning material.

Test Period:

Sample Receiving Date : JUN.18, 2019

Test Performing Date : JUN.18, 2019 TO JUL.04, 2019

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

Allen Zou

Technical Supervisor

Member of the SGS Group (SGS SA)



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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. Classification in according to DIN 4102-1 (May 1998) Clause 6.1-Class B1 materials

II. Sample details

General description	TEXTIL TANGO PRO SOLATUV 200GR FR		
Color	White		
Size of sample	1000 mm×190 mm & 190 mm×90 mm		

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

	Results of "Brandschacht" Test (part 1)						
Line		Unit	Test assemblies No.				
No.			A	В	C	D	
1	Specimen fixings according to DIN 4102 part 15, table	-	1				
2	Max. flame height above lower sample edge;	cm	30				
3	Time 1)	min:s	0:06				
	Melting/burning through						
4	Time 1)	min:s	0:01				
	Back of specimen						
5	Flaming/glowing, Time 1)	min:s	0:01				
6	Discolouring, Time 1)	min:s	0:01				
	Burning droplets		NO			8	
7	Begin 1)	min:s	/				
	Amount		/				
8	Specimen material falling off in separate droplets		/				
9	Specimen material falling off continuously		/				

To be continued...

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	Results of "Brandsch	acht" Test (r	nart 2)			
Line	Results of Brandsen			Test assemblies No.		
No.		Unit	A	В	С	D
	Burning parts		NO			
10	Begin 1)	min:s	/			
11	Parts of sample falling off separately		/			
12	Parts of sample falling off continuously		/			
13	Duration of continued combustion on mesh base (max.)	min:s	NO			
	Burner flame impairment by dripping/falling material		NO			
14	Time 1)	min:s	/			
	Premature ending of test		/			
15	End of burning at specimen 1)	min:s	/			
16	Time when test terminated (if applicable) 1)	min:s	/			
	Burning after end of test		NO			
17	Duration	min:s	/			
18	Number of specimens		/			
19	Front of specimen		/			
20	Back of specimen		/			
21	Height of flame	cm	/			
	Glowing after end of test		NO			
22	Duration	min:s	/			
23	Number of specimens		/			
24	Front of specimen		/			
25	Back of specimen		/			
26	Top half of specimen		/			
27	Bottom half of specimen		/			

To be continued...

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Results of "Brandschacht" Test (part 3)							
Line		T Init	Test assemblies No.				
No.		Unit	A	В	С	D	
	Residual length						
28	Single results	cm	81 83 80 81				
29	Average of the single results	cm	81.2	3	I.S		
	Smoke temperature						
30	Max. of average	°C	91				
31	Time 1)	min:s	10:00				

Note: 1) time from start of testing

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

Flame application: [$\sqrt{}$] bottom edge ignition, [] surface ignition					
Specimen No.	1	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)	5	5	6	5	5
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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Criteria for classification for Class B1 (DIN 4102-1 Clause 6.1.2)

All materials, except flooring, may be classed as B1 materials if they met,

- a) Pass DIN 4102-16 "brandschacht" test if
 - 1) The mean value for the residual length of each specimen is at least 15 cm, and no individual values are lower than 0 cm;
 - 2) The mean effluent temperature does not exceed 200°C in any test;
 - 3) The requirement for the residual length of each specimen is met even where there is afterflame, afterglow, or smouldering.
- b) Pass DIN 4102-1 Clause 6.2.3 Ignitability Test if,For each specimen, flaming doesn't reach the gage mark within 20s after flame application.

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:



End of Report

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