

TEST REPORT

Report No. :W2015-06913

Verification code:AF3FEE

Date: December 10, 2015

Applicant name : B-SMART MEDIA

Applicant address : /

Contact person : /

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

Item name: : Bsmart Mesh

Colour : White

Style No. : MESH 1000 x 1000 12 x 12

Composition : /

Order No. : /

Other information : /

Date received : November 26, 2015

Test completed : December 10, 2015

Test details : Refer to the test details requested by the applicant on next page(s).



Approved by *Cokan*

Verified by *Sean*

Compose *Luyi*

ZHEJIANG ZHONGTIAN TEXTILE TESTING CO.,LTD.

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Test details requested by the applicant :

Fire behaviour(Method: DIN 4102-1:1998)

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 %.

Test results

“Brandschacht“ Test according to DIN 4102-1:1998

Exposed surface: The Front face

Results of “Brandschacht” Test (part 1)						
Line No.		Unit	Test Line assemblies No.			
			A	B	C	D
1	Specimen fixings according to DIN 4102 part15,table	-	1			
2	Max. flame height above lower sample edge;	cm	30			
3	Time ¹⁾	s	3			
4	<u>Melting/burning through</u> Time ¹⁾	s	4			
5	<u>Back of specimen</u> Flaming/glowing, Time ¹⁾	s	4			
6	Discolouring, Time ¹⁾	s	4			
7	<u>Burning droplets</u> Begin 1)	s	Yes 6			
	Amount		4			
8	Specimen material falling off in separate droplets		/			
9	Specimen material falling off continuously		/			
10	<u>Burning parts</u> Begin 1)	s	NO /			
11	Parts of sample falling off separately		/			
12	Parts of sample falling off continuously		/			
13	Duration of continued combustion on mesh base (max.)	s	NO			
14	<u>Burner flame impairment by dripping/falling material</u> Time ¹⁾	s	NO /			
15	<u>Premature ending of test</u> End of burning at specimen ¹⁾	s	/			
16	Time when test terminated (if applicable) ¹⁾	s	/			
	<u>Burning after end of test</u>		NO			
17	Duration	s	/			
18	Number of specimens		/			
19	Front of specimen		/			
20	Back of specimen		/			
21	Height of flame	cm	/			

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Results of “Brandschacht” Test (part 2)						
Line No.		Unit	Test Line assemblies No.			
			A	B	C	D
	<u>Glowing after end of test</u>		NO			
22	Duration	s	/			
23	Number of specimens		/			
24	Front of specimen		/			
25	Back of specimen		/			
26	Top half of specimen		/			
27	Bottom half of specimen		/			
	<u>Residual length</u>					
28	Single results	cm	67	60		
29	Average of the single results	cm	65	68		
	<u>Smoke temperature</u>					
30	Max. of average	°C	108			
31	Time ¹⁾	s	580			

Note: 1)time from start of testing
2) Normal Flammability Test according to DIN 4102-1 Clause 6.2

Flame application: bottom edge ignition

Specimen No.	1	2	3	4	5
Reaching the measuring mark within 20 seconds	No	No	No	No	No

Flame application: surface ignition

Specimen No.	1	2	3	4	5
Reaching the measuring mark within 20 seconds	No	No	No	No	No

All timings are from start of testing

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.

Conclusion:

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

STATEMENTS:

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

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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.

Sample Photo



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