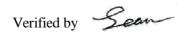




Report No. :W2015-06913	Verfication code:AF3FEE	Date: December 10, 2015
Applicant name	: B-SMART MEDIA	
Applicant address	:/	
Contact person	:/	
Sample description	: The following sample(s) was/were submitted and identif	ied on behalf of the client as
Item name:	: Bsmart Mesh	
Colour	: White	
Style No.	: 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 ne	xt page(s).



Approved by Lokon ZHEJIANG ZHONGTIAN TEXTILE TESTING CO., LTD.



un Compose



Add, No. 18, Jingdu 2nd Road, Zhejiang Haining Warp Knitting Industrial Zone, Zhejiang, China Tex: 89,57387989122 Fax.: 86-573-87989121 Http:// www.zttcn.com

## Report No. :W2015-06913

Date: December 10,2015

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  $23 \pm 2$  °C, and a relative humidity of  $50 \pm 6$  %.

Test results

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

Exposed surface: The Front face

	Results of "Brandschach	nt" Test (par	t 1)				
Line		Unit	Test Line assemblies No.				
No.		Ollit	А	В	С	D	
1	Specimen fixings according to DIN 4102 part15,table	-	1				
2	Max. flame height above lower sample edge;	cm	30				
$\frac{2}{3}$	Time <sup>1)</sup>	S	3				
5		5					
4	Melting/burning through Time <sup>17</sup>	S	4				
	Back of specimen						
5	Flaming/glowing, Time <sup>1)</sup>	S	4				
6	Discolouring, Time <sup>1</sup>	S	4				
	Burning droplets		Yes				
7	Begin 1)	S	6				
	Amount		4				
8	Specimen material falling off in separate droplets		/				
9	Specimen material falling off continuously		/				
10	Burning parts		NO				
10 11	Begin 1) Parts of sample falling off separately	S	/				
12	Parts of sample falling off continuously		/				
	Duration of continued combustion on mesh base		/				
13	(max.)	S	NO				
	Burner flame impairment by dripping/falling						
	material		NO				
14	Time <sup>1)</sup>	S	/				
14	Premature ending of test	5	/				
15	End of burning at specimen <sup>1)</sup>	S	/				
16	Time when test terminated (if applicable) <sup>1)</sup>	s	/				
10		8	/				
	Burning after end of test		NO				
17	Duration	S	/				
18	Number of specimens		/				
19	Front of specimen		/				
20	Back of specimen		,				
20	Height of flame	cm	/				
<i>4</i> 1	The first of Hume	VIII	'				

#### Report No. :W2015-06913

#### Date: December 10,2015

Results of "Brandschacht" Test (part 2)							
Line	Unit		Test Line assemblies No.				
No.		Oint	Α	В	С	D	
	Glowing after end of test		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		/				
	Residual length		17 1 10				
28	Single results	cm	67 60				
20	č		65 68				
29	Average of the single results	cm	65				
30	Smoke temperature	°C	108				
31	Max. of average Time <sup>1)</sup>		580				
- 51	I ime 7	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  $^\circ$ 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.

## Report No. :W2015-06913

Date: December 10,2015

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.

