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# Indicative test report

## No. 2017-1417

issued 02.05.2017

**Applicant:** Spandex AG  
Aegertweg 4  
  
8305 Dietlikon  
Schweiz

**Date of order:** 13.02.2017  
**Date of sampling:** no official taking out of the sample from  
a representative of the Exova  
Warringtonfire, Frankfurt  
**Date of arrival:** 26.04.2017  
**Date of test:** 28.04.2017

### Order

Testing of the flammability (building class B1) according to DIN 4102-1 (May 1998)

### Description / designation of the test object

Sample material designated as: IP 2411/2412/2415

### Description of the relevant test procedure

DIN 4102 part 1 (May 1998)

## 1. Description of the test material

### 1.1 Details of the customer:

Sample material designated as: IP 2411/2412/2415

Intended end use of product: Wallpaper

### 1.2 By Exova Warringtonfire, Frankfurt determined values:

Material: Wallpaper glued to plasterboard

Colour: white

Thickness: 10.5 mm

Surface weight: 12.61 kg/m<sup>2</sup>

Testing after clima storage at 23° C and 50 % rel. hum. L. moisture

## 2. Test results

### 2.1 "Brandschacht" test according to DIN 4102-1

Specimen A: Sample in direction of production

Test results of the "Brandschacht" tests part 1						
line no.		measurements test sample				
			A	B	C	D
1	<u>no. test arrangement according to DIN 4102 part 15, table 1</u>		1			
2	<u>flame height max. over lower sample edge</u> time <sup>1)</sup>	cm	60			
		min : s	9:52			
3	<u>ascertainties on the front side</u> Flaming/glowing time <sup>1)</sup>	min : s	0:10			
4	<u>melting / burning through</u> time <sup>1)</sup>	min : s	not occurred			
5	<u>ascertainties on the back side</u> Flaming/glowing time <sup>1)</sup>	min : s	not occurred			
6	discolouring time <sup>1)</sup>	min : s	not occurred			
7	<u>burning droplets</u> begin <sup>1)</sup>	min : s	not occurred			
8	extent					
9	occasional dripping of material constant dripping of material					
10	<u>separating from burning sample parts</u> begin <sup>1)</sup>	min : s	no			
11	occasional separating parts					
12	constant separating parts					
13	duration of burning on the sieve tray (max.)	min : s	not occurred			
14	influence on the burner flame by dripping of / separating material time <sup>1)</sup>	min : s	no			
15	<u>earlier end of test</u> end of the fire scenario on the sample <sup>1)</sup>	min : s	not occurred			
16	time of a possible resulted test stop <sup>1)</sup>	min : s				

<sup>1)</sup> time from start of test

Test results of the "Brandschacht" tests part 2						
line no.			Measurements test sample			
			A	B	C	D
17	<u>flaming after end of test</u> duration	min : s	--/--			
18	number of sample		--/--			
19	front side of sample		--/--			
20	backside of sample		--/--			
21	flame length		--/--			
		cm	--/--			
22	<u>glowing after end of test</u> duration	min . s	not occured			
23	number of sample		--/--			
	place of occurrence		--/--			
24	lower sample part		--/--			
25	upper sample part		--/--			
26	front side of sample		--/--			
27	backside of sample	--/--				
28	<u>smoke density</u> < 400 % x min		38			
29	> 440 % x min		--/--			
30	diagram in annex no.		1			
31	<u>residual length</u> single results	cm	42 / 41 42 / 41			
32	average of the single results	cm	41			
33	foto of the sample on page		5			
34	<u>smoke temperature</u> max. of the average results	°C	105			
35	time <sup>1)</sup>	min : s	9:44			
36	diagram in annex no.		1			

<sup>1)</sup> time from start of test

Remarks: none

**2.2 Appearance of the specimen after the test:**



Sample A

### 3. Indicative Assessment

The determined results showed that the material is able to fulfill the requirements for the B1 classification according to DIN 4102-1 (May 1998).

### 4. Special note

The fire test result is only valid for the materials described in chapter 1 with self-adhesive coating, glued to plasterboard.

The distance to other flat material must be more than  $\geq 40$  mm.

The materials were not tested after an outside storage.

In combination with other materials (for example coatings, deposits) the burning behaviour could be influenced unfavourable so that the classification above is not valid any longer. According to DIN 4102-1 the burning behaviour in combination with other materials has to be tested separately.

Frankfurt, the 05.05.2021 (date of translation)



H. Anders  
Tester in charge



P. Scheinkönig  
Technical Lab Leader construction product regulations

The results of the tests relate only to the behaviour of the test sample which is designated on the top.  
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This test report contains 6 pages and 1 annex.

Annex 1 to the test report No. 2017-1417 issued 02.05.2017

Sample A:

