

Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.5341.11	Date: 25 th Mar. 2011
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Applicant	Poli-Tape Klebefolien GmbH, D – 53424 Remagen	
Material tested	wallpaper, fixed on gypsum plasterboard A2	
Material name	Poli-Wall	

Material data

Test thickness
weight per square meter
density

mm
g/m ²
kg/m ³

Climatised storage
Preliminary end of test

yes
no

Remarks:

Sample		A	B	C	D
First flaming*)	min, sec	<0:12			
Max. flame height	cm	>100			
Point of time *)	min, sec	0:35			
First melting *)	min, sec	-			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	-			
Components drop down *)	min, sec	0:20			
Extent		low			
Continuation of burning on the perforated bottom **)	min, sec	0:04			
Max. effluent temperature	°C	128			
Appeared after *)	min, sec	10:00			
Effluent temperature after 10 min.	°C	128			
Smoke density		low			
Afterglowing **)	min, sec	-			
Residual lengths	Specimen 1	cm	30		
	Specimen 2	cm	30		
	Specimen 3	cm	30		
	Specimen 4	cm	30		
Mean value of each single test	cm	30			

Remarks: 4:30 end of flame appearance

This test is an exploratory analysis and not a confirmation of building material class according to DIN 4102-1. The material has passed the Brandschacht test to DIN 4102-B1 in the above mentioned test arrangement. According to the application further Brandschacht tests and a B 2-test are required.


ppa. Dr. M. Kanig


i.V. U. Kielhorn

*) Time referred to the beginning of the test
**) Time period

	Requirements		
	A 1	A 2	B 1
Brandschacht			
- Residual length			
a) Mean value of each test	≥ 35 cm	≥ 35 cm	≥ 15 cm
b) each single value	> 20 cm	> 20 cm	> 0 cm
- Rauchgastemperatur	≤ 125 °C	≤ 125 °C	≤ 200 °C
- Entflammung auf der Probenrückseite	nein	nein	zulässig
- Brandparallelerscheinungen weitere Nachweise	kein Anlass zu Bedenken		
	750°C Ofen, Rauchdichte, Toxizität, ggf. Heizwert	B2- Brennkasten	

**Report of the results
of a B 2-Test according to DIN 4102-1**

Test-Nr.	01.52.5342.11	Date: 25 th Mar. 2011
Applicant	Poli-Tape Klebefolien GmbH, D – 53424 Remagen	
Material tested	wallpaper, fixed on gypsum plasterboard A2	
Material name	Poli-Wall	

Material data

Test thickness	<input type="text" value="mm"/>	Climated storage	<input type="text" value="yes"/>
Weight per square meter	<input type="text" value="g/m<sup>2</sup>"/>		
mean density	<input type="text" value="kg/m<sup>3</sup>"/>		

TEST RESULTS


a) Edge ignition according to paragraph 6.2.5.2 (Ignition of the front side)

Test	Flash-point of testmaterial	Max. high of flames during test (20 sec)	Point of time	Mark reached after	Extinguish of material-flames, point of time	Duration of glowing/smoldering	Specifications passed	Burning components drop down	
								Time of first drops	Duration of dropping
	sec	cm	sec	sec	min; sec	sec		sec	sec
1	< 1	8	6	no	0:15	-	yes	-	-
2	< 1	6	8	no	0:15	-	yes	-	-
3	< 1	8	8	no	0:15	-	yes	-	-
4	< 1	8	9	no	0:15	-	yes	-	-
5	< 1	7	8	no	0:15	-	yes	-	-

Remarks: Flames: sooting low Smoke density: moderate

The test material passed the requirements to DIN 4102-1

This information sheet is not a certificate of building material class according to to DIN 4102-1.


ppa. Dr. M. Kanig


i. V. U. Kielhorn

