

Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.5102.09	Date: 16 th Aug. 2009
Applicant	H. Brunner GmbH, Am Risisee 13, D – 77855 Achern	
Material tested	Aluminium, covered with white foil	
Material name	Artikel: Image Perfect IP 2521 Floor Graphics Vinyl Coverall	

Material data

Test thickness	mm	Climatised storage	yes
weight per square meter	g/m ²	Preliminary end of test	no
density	kg/m ³		

Remarks:

Sample		A	B	C	D
First flaming*)	min, sec	1:05			
Max. flame height	cm	70			
Point of time *)	min, sec	3:00			
First melting *)	min, sec	-			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	-			
Components drip down *)	min, sec	4:40			
Extent		very low			
Continuation of burning on the perforated bottom **)	min, sec	<0:02			
Max. effluent temperature	°C	115			
Appeared after *)	min, sec	10:00			
Effluent temperature after 10 min.	°C	115			
Smoke density		low			
Afterglowing **)	min, sec	-			
Residual lengths	Specimen 1	cm	52		
	Specimen 2	cm	52		
	Specimen 3	cm	50		
	Specimen 4	cm	53		
Mean value of each single test		cm	52		

Remarks: 0:30 change of colour in the area of the Flames, 1:05 ignition of surface, head of the flames to 40 cm, 3:00 burst of coating and bubbles, 6:15 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.A. J. Lübker

*) 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
- Brandparallelscheinungen weitere Nachweise	kein Anlass zu Bedenken		
	750°C Ofen, Rauchdichte, Toxizität, ggf. Heizwert		B2-Brennkasten

