

EINGEGANGEN

04. April 2011



quick-mix Gruppe, Forschung + Entwicklung

Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.4409.07	Date: 23 th May 2007
Applicant	H. Brunner GmbH, Am Risisee 13, D – 77855 Achern	
Material tested	foil	
Material name	Image Perfect™ 2605 Backlit Film	

Material data

Test thickness
weight per square meter
density

	mm
~175	g/m ²
	kg/m ³

Climatised storage
Preliminary end of test

yes
no

Remarks:

Sample		A	B	C	D
First flaming*)	min, sec	0:04			
Max. flame height	cm	60/40			
Point of time *)	min, sec	0:35/1:15			
First melting *)	min, sec	0:05			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	0:20			
Components drip down *)	min, sec	0:13			
Extent		strong			
Continuation of burning on the perforated bottom **)	min, sec	0:35			
Max. effluent temperature	°C	155			
Appeared after *)	min, sec	0:35			
Effluent temperature after 10 min.	°C	114			
Smoke density		strong			
Afterglowing **)	min, sec	-			
Residual lengths	Specimen 1	cm	43		
	Specimen 2	cm	50		
	Specimen 3	cm	47		
	Specimen 4	cm	48		
Mean value of each single test	cm	47			

Remarks: The material is classified as "burning-dripping".

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

