

EINGEGANGEN

04. Feb. 2011



quick-mix Gruppe, Forschung + Entwicklung

Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.4972.09	Date: 14 th April 2009
Applicant	H. Brunner GmbH, Am Risisee 13, 77855 Achern	
Material tested	Aluminium, covered with foil	
Material name	Artikel: Image Perfect IP 2810-200	

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	1:30			
Max. flame height	cm	50			
Point of time *)	min, sec	2:00			
First melting *)	min, sec	-			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	-			
Components drip down *)	min, sec	-			
Extent		-			
Continuation of burning on the perforated bottom **)	min, sec	-			
Max. effluent temperature	°C	116			
Appeared after *)	min, sec	10:00			
Effluent temperature after 10 min.	°C	116			
Smoke density		moderate			
Afterglowing **)	min, sec	-			
Residual lengths	Specimen 1	cm	47		
	Specimen 2	cm	50		
	Specimen 3	cm	46		
	Specimen 4	cm	47		
Mean value of each single test	cm	48			

Remarks: 0:25 change of colour in the area of the Flames, 1:40 bubbles

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 b) each single value - Rauchgastemperatur - Entflammung auf der Probenrückseite	≥ 35 cm > 20 cm ≤ 125 °C nein	≥ 35 cm > 20 cm ≤ 125 °C nein	≥ 15 cm > 0 cm ≤ 200 °C zulässig
- Brandparallelerscheinungen weitere Nachweise	kein Anlass zu Bedenken 750°C Ofen, Rauchdichte, Toxizität, ggf. Heizwert		B2- Brennkasten

