

Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.4973.09	Date: 14 th April 2009
Applicant	H. Brunner GmbH, Am Risisee 13, D – 77855 Achern	
Material tested	Aluminium 3mm, onesided covered with foil	
Material name	Image Perfect™IP 2830-200	

Material data

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

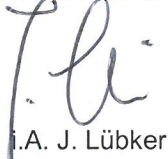
Remarks:

Sample		A	B	C	D
First flaming*)	min, sec	0:50			
Max. flame height	cm	50			
Point of time *)	min, sec	1:40			
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	114			
Appeared after *)	min, sec	10:00			
Effluent temperature after 10 min.	°C	114			
Smoke density		moderate			
Afterglowing **)	min, sec	-			
Residual lengths	Specimen 1	cm	46		
	Specimen 2	cm	44		
	Specimen 3	cm	42		
	Specimen 4	cm	46		
Mean value of each single test	cm	45			

Remarks: 0:25 change of colour in the area of the Flames 1:30 bubbles in the area of the Flames

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

