

## Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.5361.11	Date: 18 <sup>th</sup> May 2011
Applicant	H. Brunner GmbH, Am Risisee 13, D – 77855 Achern	
Material tested	Aluminium 3mm, onesided covered with foil, transparent	
Material name	Artikel: Image Perfect IP™2535PA	

**Material data**

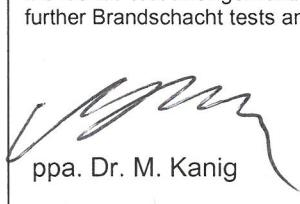
Test thickness	mm	Climatised storage	yes
weight per square meter	g/m <sup>2</sup>	Preliminary end of test	no
density	kg/m <sup>3</sup>		

**Remarks:**

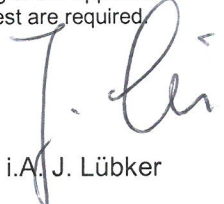
Sample		A	B	C	D
First flaming*)	min, sec	0:25			
Max. flame height	cm	70			
Point of time *)	min, sec	3:00			
First melting *)	min, sec	-			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	-			
Components drip down *)	min, sec	-			
Extent		-			
Continuation of burning on the perforated bottom **)	min, sec	-			
Max. effluent temperature	°C	126			
Appeared after *)	min, sec	10:00			
Effluent temperature after 10 min.	°C	126			
Smoke density		low			
Afterglowing **)	min, sec	-			
Residual lengths	Specimen 1	cm	46		
	Specimen 2	cm	47		
	Specimen 3	cm	45		
	Specimen 4	cm	46		
Mean value of each single test	cm	46			

Remarks: 0:15 change of colour in the area of the Flames 2:30 bubbles, then start of melting 3:30 end of flame appearance to 40 cm

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

