

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

Test-Nr.	01.52.5216.10	Date: 14 <sup>th</sup> April 2010
Applicant	H. Brunner GmbH, Am Risisee 13, D – 77855 Achern	
Material tested	Aluminium, one Side coated, transparent	
Material name	Image Perfect™2820-101	

**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	min, sec	A	B	C	D
First flaming*)	min, sec	2:20			
Max. flame height	cm	70			
Point of time *)	min, sec	3:40			
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	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	54		
	Specimen 4	cm	54		
Mean value of each single test	cm	53			

Remarks: 2:35 start of melting, 6:50 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.

[Signature]

ppa. Dr. M. Kanig

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

