

Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.5287.10	Date: 11 th Nov. 2010
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Applicant	H. Brunner GmbH, Am Risisee 13, D – 77855 Achern
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Material tested	Aluminium, one Side coated, white
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Material name	Image Perfect™2507
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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	2:00			
Max. flame height	cm	60			
Point of time *)	min, sec	4:00			
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	128			
Appeared after *)	min, sec	10:00			
Effluent temperature after 10 min.	°C	128			
Smoke density		low			
Afterglowing **)	min, sec	-			
Residual lengths	Specimen 1	cm	45		
	Specimen 2	cm	50		
	Specimen 3	cm	42		
	Specimen 4	cm	47		
Mean value of each single test	cm	46			

Remarks: 2:50 start of melting, 9:40 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.




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	