Einfach clevere Baustoffe.

quick-mix

quick-mix Gruppe, Forschung + Entwicklung

Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.5224.10	Date: 14 th April 2010

Applicant	H. Brunner GmbH, Am Risisee 13, D – 77855 Achern
Material tested	Aluminium 3mm, one Side coated, white
Material name	Image Perfect™2531

Material data

Test thickness	mm	Climatised storage	yes
weight per square meter	g/m²	Preliminary end of test	no
density	kg/m³		

Remarks:

Sample			A	B	C	D
First flaming*)		min, sec	1:30			
Max. flame height		cm	80			
Point of time *)		min, sec	2:45			
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	119			
Appeared after *)		min, sec	10:00			
Effluent temperature after 10 min.		° C	119			
Smoke density			low			
Afterglowing **)		min, sec	-			
Residual lengths	Specimen 1	cm	55			
	Specimen 2	cm	55			
	Specimen 3	cm	56			
	Specimen 4	cm	56			
Mean value of each single test		cm	55,5			

Remarks: 2:00 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.

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

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