Einfach clevere Baustoffe.

quick-mix

quick-mix Gruppe, Forschung + Entwicklung

Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.5248.10	Date: 03th June 2010

Applicant	H. Brunner GmbH, Am Risisee 13, D – 77855 Achern
Material tested	Aluminium 3mm, one Side coated, transparent
Material name	Image Perfect™IP 2810-100

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	2:10			
Max. flame height	cm	60			
Point of time *)	min, sec	3:10			
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	118			
Appeared after *)	min, sec	10:00			
Effluent temperature after 10 min.	° C	118			
Smoke density		low			
Afterglowing **)	min, sec	-			
Residual lengths Specimen 1	cm	56			
Specimen 2	cm	55			
Specimen 3	cm	58			
Specimen 4	cm	59			
Mean value of each single test	cm	57			

Remarks: 2:50 start of melting, 5:00 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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TÜV CERT DIN EN ISO 9001

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