

Report on the trial results of the fire-tunnel tests according to DIN 4102-1

Test-Nr.	01.52.3951.04	Date 5 th November 2004
Applicant	Georg + Otto Friedrich KG, Postfach 1264, 64841 Groß-Zimmern	
Material tested	Fabric	
Material name	6050 KFL	

Material data

Test thickness	mm	Climatised storage	yes
Average surface area mass	g/m ²	Preliminary end of test	no
Average raw density	kg/m ³	No. of tests required for main examination	
Glow remains according to DIN 52330	%		

Test units		A	B	C	D
First flames *)	min, sec	0:03			
Max. flame height	cm	40			
Point of time *)	min, sec	0:25			
Melting point *)	min, sec	0:03			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	-			

Burning components drip down*)	min, sec	0:06			
Extent		moderate			
Continuation of burning on the perforated bottom **)	min, sec	-			

Max. smoke temperature	°C	113			
Appeared after *)	min, sec	10:00			
Smoke temperature after 10 min.	°C	113			

Smoke density		low			
Glowing particles after test end **)	min, sec	-			

Remaining lengths	Test	cm	A	B	C	D
	Test 1	63				
	Test 2	63				
	Test 3	62				
	Test 4	63				
Average value of single test		63				

Remarks: -----

The test material passed the „Brandschacht“ to DIN 4102-B1.

i.V. Bühning

i. A. Maßmann

*) Point of time referred to the test beginning

***) Time period

Art der Anforderung	Anforderungen		
	A 1	A 2	B 1
Brandschacht			
- Restlänge			
a) Mittelwert jedes Schachtes	> 35 cm	> 35 cm	> 15 cm
b) Einzelwerte	> 20 cm	> 20 cm	> 0 cm
- Rauchgastemperatur	< 125 °C	< 125 °C	< 200 °C
- Entflammung auf der Probenrückseite	nein	nein	zulässig
- Brandparallelerscheinungen	kein Anlass zu Bedenken		
- weitere Nachweise	750°C Ofen, Rauchdichte, Toxizität, ggf. Heizwert		B2-Brennkasten

This information sheet is not a certificate of building material class according to DIN 4102-1.

Report on the trial results of a B 2-Test to DIN 4102-1

Test-Nr.	01.52.4703.08	Date: 2008-06-30
Applicant	Georg + Otto Friedrich KG, Postfach 1264, D-64841 Groß-Zimmern	
Material tested	Fabric	
Material name	6050 KFL	

Material data

Test thickness	<input type="text" value="mm"/>	Climated storage	<input type="text" value="yes"/>
Average surface area mass	<input type="text" value="g/m<sup>2</sup>"/>		
Average raw density	<input type="text" value="kg/m<sup>3</sup>"/>		

TEST RESULTS

a) Edge ignition according to paragraph 6.2.4.2 (Ignition in warp-direction)

Test	Flash-point of testmaterial	Max. high of flames during test (20 sec)	Point of time	Mark reached after	Extinguish of material-flames, point of time	Duration of glowing/smoldering	Specifications passed	Burning components drop down	
								Time of first drops	Duration of dropping
	sec	cm	sec	sec	min; sec	sec		sec	sec
1	< 1	4	2	-	0:04	-	yes	-	-
2	< 1	3	3	-	0:04	-	yes	-	-
3	< 1	3	3	-	0:04	-	yes	-	-
4	< 1	4	3	-	0:04	-	yes	-	-
5	< 1	3	3	-	0:04	-	yes	-	-

Remarks: Flames: sooting Smoke density: low

b) Edge ignition according to paragraph 6.2.4.2 (Ignition in weft-direction)

Test	Flash-point of testmaterial	Max. high of flames during test (20 sec)	Point of time	Mark reached after	Extinguish of material-flames, point of time	Duration of glowing/smoldering	Specifications passed	Burning components drop down	
								Time of first drops	Duration of dropping
	sec	cm	sec	sec	min; sec	sec		sec	sec
1	<1	3	3	-	0:04	-	yes	-	-
2	<1	3	3	-	0:04	-	yes	-	-
3	<1	3	3	-	0:04	-	yes	-	-
4	<1	3	3	-	0:04	-	yes	-	-
5	<1	4	3	-	0:04	-	yes	-	-

Remarks: Flames: sooting Smoke density: low

The test material passed the requirements to DIN 4102-B2.


ppa. Dr. Kanig


I. A. Maßmann

This information sheet is not a certificate of building material to DIN 4102-1.

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