

quick-mix Gruppe, Forschung + Entwicklung
Report on the trial results of the fire-tunnel tests
according to DIN 4102-1

Test-Nr. 01.52.4879.09 Date: 23rd January 2009

Applicant _____
 Material tested Fabric _____
 Material name _____

Material data

Test thickness	mm	Climatised storage	yes
Average surface area mass	260 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	0:04			
Max. flame height	cm	40			
Point of time *)	min, sec	0:25			
Melting point *)	min, sec	0:05			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	-			
Burning components drip down*)	min, sec	0:08			
Extent		moderate			
Continuation of burning on the perforated bottom **)	min, sec	-			
Max. smoke temperature	°C	116			
Appeared after *)	min, sec	10:00			
Smoke temperature after 10 min.	°C	116			
Smoke density		low			
Glowing particles after test end **)	min, sec	-			
Remaining lengths	Test 1	cm	62		
	Test 2	cm	63		
	Test 3	cm	62		
	Test 4	cm	62		
Average value of single test		cm	62		

Remarks: -----

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

[Signature]
 ppa. Dr. Kanig

[Signature]
 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	> 35 cm	> 35 cm	> 15 cm
a) Mittelwert jedes Schachtes	> 20 cm	> 20 cm	> 0 cm
b) Einzelwerte	< 125 °C	< 125 °C	< 200 °C
- Rauchgastemperatur	nein	nein	zulässig
- Entflammung auf der Probenrückseite	kein Anlass zu Bedenken		
- Brandparallelerscheinungen	750°C Ofen, Rauchdichte, Toxizität, ggf. Heizwert		
weitere Nachweise	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.	01.52.4878.09	Date: 2009-01-23
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Applicant	
Material tested	Fabric
Material name	

Material data

Test thickness	mm	Climated storage	yes
Average surface area mass	260 g/m ²		
Average raw density	kg/m ³		

TEST RESULTS

a) Edge ignition according to paragraph 6.2.4.2 (Ignition in longitudinal 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	2	3	-	0:04	-	yes	-	-
4	< 1	3	3	-	0:04	-	yes	-	-
5	< 1	3	3	-	0:04	-	yes	-	-

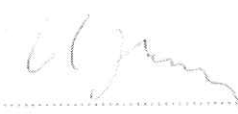
Remarks: Flames: sooting light Smoke density: low

b) Edge ignition according to paragraph 6.2.4.2 (Ignition in cross-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	34	-	0:04	-	yes	-	-
2	<1	2	3	-	0:04	-	yes	-	-
3	<1	3	3	-	0:04	-	yes	-	-
4	<1	3	3	-	0:04	-	yes	-	-
5	<1	3	3	-	0:04	-	yes	-	-

Remarks: Flames: sooting light 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.

