

Einfach clevere Baustoffe.



quick-mix Gruppe, Forschung + Entwicklung

Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.5587.12	Date	20 th September 2012
Applicant			
Material tested	Knitted fabric		
Material name	Article: 2050 FG FR		

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	0:03			
Max. flame height	cm	40			
Point of time *)	min, sec	0:25			
First melting *)	min, sec	0:04			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	-			
Burning components drip down *)	min, sec	0:07			
Extent		moderate			
Continuation of burning on the perforated bottom **)	min, sec	0:05			
Max. effluent temperature	°C	115			
Appeared after *)	min, sec	10:00			
Effluent temperature after 10 min.	°C	115			
Smoke density		low			
Afterglowing **)	min, sec	-			
Remaining lengths	Specimen 1	cm	62		
	Specimen 2	cm	62		
	Specimen 3	cm	63		
	Specimen 4	cm	65		
Mean value of each single test	cm	63			

Remarks: ---

This test is an exploratory analysis and not a confirmation of building material class according to DIN 4102-1. When 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.

The testmaterial passed the "Brandschacht" test to DIN 4102-B1

[Signature]
Ppa. Dr.M. Kanig

[Signature]
A. H. Maßmann

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