

quick-mix

quick-mix Gruppe, Forschung + Entwicklung

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

Exclusive sale from TEPEDE.

Material tested:	Coated fabric
Material name:	MESH 330 g/m ²

Material data

Test thickness
Average surface area mass
Average raw density
Glow remains according to DIN 52330

mm	
kg/m ²	
kg/m ³	
%	

Climatised storage
Preliminary end of test
No. of tests required for main examination
Miscellaneous details:

yes
no

Test units		A	B	C	D
First flames *)	min, sec	0:04			
Max. flame height	cm	50 / 60			
Point of time *)	min, sec	0:25/2:00			
Melting point *)	min, sec	0:05			
Flames on reverse side of test unit *)	min, sec				
Influence on burner flame *)	min, sec				
Burning components drop down	min, sec	0:20			
Extent		strong			
Continuation of burning on the perforated bottom **)	min, sec	0:30			
Max. smoke temperature	°C	114			
Appeared after *)	min, sec	10:00			
Smoke density		strong			
Glowing particles after test end **)	min, sec				
Remaining lengths	Test 1	cm	54		
	Test 2	cm	56		
	Test 3	cm	58		
	Test 4	cm	52		
Average value of single test		cm	55		

Remarks: 1:10 Decrease of the flame height to 40 cm. 2:25 Flame height 40 cm.

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

[Signature]
I. V. Dreckmann

[Signature]
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 Schichtes	> 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
- Brandperimetererscheinungen	kein Anlass zu Bedenken		
weitere Nachweise	750°C Ofen, Rauchdichte, Toxizität, ggf. Heizwert	US: Brennkasten	

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

quick - mix Gruppe GmbH & Co. KG

Mühlenschweg 7 • 48090 Osnabrück • Tel. +49 5 41 6 01-03 • Fax 6 01-769

