

Einfach clevere Baustoffe.



quick-mix Gruppe, Forschung + Entwicklung

Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.5405.11	Date: 10 th August 2011
Applicant	Endutex Revestimentos Têxteis, SA, Lugar de Baiona, 4795_784 Vilarinho STS/Portugal	
Material tested	fabric, freely suspended tested	
Material name	POLYMESH 40 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: front side to burner

Sample		A	B	C	D
First flaming*)	min, sec	0:03			
Max. flame height	cm	60 / 50			
Point of time *)	min, sec	0:15 / 1:00			
First melting *)	min, sec	0:04			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	0:17			
Components drip down *)	min, sec	0:04			
Extent		strong			
Continuation of burning on the perforated bottom **)	min, sec	1:15			
Max. effluent temperature	°C	114			
Appeared after *)	min, sec	10:00			
Effluent temperature after 10 min.	°C	114			
Smoke density		moderate			
Afterglowing **)	min, sec	-			
Remaining lengths	Specimen 1	cm	49		
	Specimen 2	cm	49		
	Specimen 3	cm	53		
	Specimen 4	cm	48		
Mean value of each single test	cm	50			

Remarks: The Testmaterial is classified as "burning dripping"

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.

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

ppa. Dr. M. Kanig

i.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 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 weitere Nachweise	kein Anlass zu Bedenken 750°C Ofen, Rauchdichte, Toxizität, ggf. Heizwert		B2- Brennkasten