

Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.5254.10	Date: 1 th July 2010
Applicant	Endutex Revestimentos Texteis SA, P-4795-784 Vilarinho, Portugal	
Material tested	woven Polyester fabric, freely suspended tested	
Material name	BACK EX 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

Sample		A	B	C	D
First flaming*)	min, sec	<0:01			
Max. flame height	cm	70			
Point of time *)	min, sec	0:25			
First melting *)	min, sec	0:10			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	0:12			
Components drip down *)	min, sec	0:12			
Extent		low			
Continuation of burning on the perforated bottom **)	min, sec	0:06			
Max. effluent temperature	°C	120			
Appeared after *)	min, sec	10:00			
Effluent temperature after 10 min.	°C	120			
Smoke density		low			
Afterglowing **)	min, sec	-			
Residual lengths	Specimen 1	cm	50		
	Specimen 2	cm	51		
	Specimen 3	cm	56		
	Specimen 4	cm	55		
Mean value of each single test	cm	53			

Remarks: 1:50 end of flame appearance

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 material is classified as "burning-dripping".


ppa. Dr. M. Kanig


i.V. U. Kielhorn

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