

Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.5235.10	Date.	19 th May 2010
Applicant	Endutex Revestimentos Textéis SA P.4795-784 Vilarinho, Portugal		
Material tested	Polyester fabric, freely suspended tested		
Material name	Print HX 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 50			
Point of time ^{*)}	min, sec 0:16			
First melting ^{*)}	min, sec 0:06			
Flames on reverse side of test unit ^{*)}	min, sec -			
Influence on burner flame ^{*)}	min, sec -			
Components drip down ^{*)}	min, sec -			
Extent	min, sec -			
Continuation of burning on the perforated bottom ^{**)}	min, sec -			
Max. effluent temperature	°C 125			
Appeared after ^{*)}	min, sec 10:00			
Effluent temperature after 10 min.	°C 125			
Smoke density	min, sec strong			
Afterglowing ^{**)}	min, sec -			
Residual lengths	cm	cm	cm	cm
	Specimen 1 53			
	Specimen 2 51			
	Specimen 3 53			
	Specimen 4 51			
Mean value of each single test	cm 52			

Remarks: 1:45 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.

Kielhorn
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ppa. Dr. M. Kanig

^{*)} Time referred to the beginning of the test
^{**)} Time period

Brandschacht	Requirements	
	A 1	A 2
- 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
- Brandparallelerscheinungen weitere Nachweise	kein Anlass zu Bedenken 750°C Ofen, Rauchdichte, Toxizität, ggf. Heizwert	
		≥ 15 cm > 0 cm ≤ 200 °C zulässig

