

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

Test-Nr.	01.52.4121.05	Date: 31 st October, 2005
Applicant	Endutex Revestimentos Têxteis, S.A, Lugar de Baiona, 4795-784 Vilarinho STS	
Material tested	Coated fabric	
Material name	Polycanvas FR	

Material data

Test thickness	mm	Climatised storage	yes
Average surface area mass	g/m ²	Preliminary end of test	no
Average raw density	kg/m ³	No. of tests required for main examination	
Glow remains according to DIN 52330	%	Miscellaneous details : Printsides to burner	

Test units		A	B	C	D
First flames *)	min, sec	0:04			
Max. flame height	cm	40			
Point of time *)	min, sec	0:30			
Melting point *)	min, sec	0:04			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	-			

Burning components fall down*)	min, sec	0:35			
Extent		moderate			
Continuation of burning on the perforated bottom **)	min, sec	0:10			

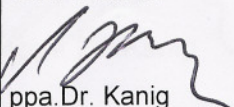
Max. smoke temperature	°C	113			
Appeared after *)	min, sec	10:00			
Smoke temperature after 10 min.	°C	113			

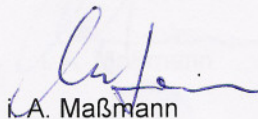
Smoke density		moderate			
Glowing particles after test end **)	min, sec	-			

Remaining lengths	Test	cm	54		
	Test 1	cm	54		
	Test 2	cm	53		
	Test 3	cm	59		
	Test 4	cm	56		
Average value of single test		cm	56		

Remarks:

The test material passed the „Brandschacht“ to DIN 4102-1.


ppa. Dr. Kanig


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

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

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