

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

Test-Nr.	01.52.4183.06	Date 20 th April 2006
Applicant	Endutex Revestimentos Têxteis, SA ; Lugar de Baiona, 4795-784 Vilarinho STS / Portugal	
Material tested	Coated fabric	
Material name	Rooftex	

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	%		

Test units		A	B	C	D
First flames *)	min, sec	0:04			
Max. flame height	cm	50 / 70			
Point of time *)	min, sec	0:20 / 0:25			
Melting point *)	min, sec	0:06			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	0:12			

Components drip down*)	min, sec	0:09			
Extent		strong			
Continuation of burning on the perforated bottom **)	min, sec	0:30			

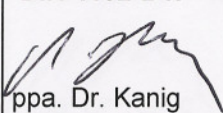
Max. smoke temperature	°C	122			
Appeared after *)	min, sec	0:45			
Smoke temperature after 10 min.	°C	115			

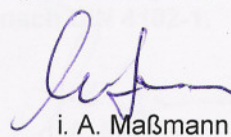
Smoke density		strong			
Glowing particles after test end **)	min, sec	-			

Remaining lengths	Test	cm	A	B	C	D
	Test 1	34				
	Test 2	33				
	Test 3	21				
	Test 4	42				
Average value of single test		33				

Remarks: 1:00 Decrease of the flame height to 40 cm.
The test-material is classified as „ burning dripping down „.

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


ppa. Dr. Kanig


i. 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.