

Einfach clevere Baustoffe.



quick-mix Gruppe, Forschung + Entwicklung

## Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.5450.11	Date:	13 <sup>th</sup> December 2011
Applicant	Endutex Revestimentos Têxteis SA, Lugar de Baiona, 4795-784 Vilarinho STS/Portugal		
Material tested	Fabric		
Material name	Recytex F 300 FR Sample A, batch nr. 82673		

### Material data

Test thickness  
weight per square meter  
density

mm
g/m <sup>2</sup>
kg/m <sup>3</sup>

Climatised storage  
Preliminary end of test

yes
no

Remarks: Specimen 1;2 : tested in longitudinal direction Specimen 3;4: tested in cross direction

Sample		A	B	C	D
First flaming*)	min, sec	0:03			
Max. flame height	cm	40			
Point of time *)	min, sec	0:30			
First melting *)	min, sec	0:05			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	0:12			
Burning components fall down *)	min, sec	0:08			
Extent		strong			
Continuation of burning on the perforated bottom **)	min, sec	3:00			
Max. effluent temperature	°C	115			
Appeared after *)	min, sec	10:00			
Effluent temperature after 10 min.	°C	115			
Smoke density		moderate			
Afterglowing **)	min, sec	-			
Remaining lengths	Specimen 1	cm	44		
	Specimen 2	cm	47		
	Specimen 3	cm	46		
	Specimen 4	cm	46		
Mean value of each single test	cm	46			

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

J.A. H. Maßmann

\*) Time referred to the beginning of the test  
\*\*) Time period

Brandschacht	Requirements		
	A 1	A 2	B 1
- 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
- Brandparallelscheinungen weitere Nachweise	kein Anlass zu Bedenken		
	750°C Ofen, Rauchdichte, Toxizität, ggf. Heizwert	B2-Brennkasten	