

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

Test-Nr.	01.52.4871.09	Date: 13 th January 2009
Applicant	A.Berger GmbH & Co. KG, Kuhleshütte 84, 47809 Krefeld	
Material tested	Fabric, 100% PES – PU-coated	
Material name	Universal Tentex FR + wos 4418-77	


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:	

Test units		A	B	C	D
First flames *)	min, sec	0:03			
Max. flame height	cm	40			
Point of time *)	min, sec	0:25			
Melting point *)	min, sec	0:04			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	0:14			
Components drip down *)	min, sec	0:06			
Extent		strong			
Continuation of burning on the perforated bottom **)	min, sec	-			
Max. smoke temperature	°C	114			
Appeared after *)	min, sec	10:00			
Smoke density		low			
Glowing particles after test end **)	min, sec	-			
Remaining lengths	Test 1	cm	59		
	Test 2	cm	60		
	Test 3	cm	61		
	Test 4	cm	60		
Average value of single test		cm	60		

Remarks: ---

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
- Brandparallelerscheinungen	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.