

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

Test-Nr.	01.52.4536.07	Date: 21 <sup>st</sup> November 2007
Applicant	SOYANG EUROPE GmbH, Osterather Strasse 6, D-41460 Neuss	
Material tested	Coated fabric	
Material name	DY - Mesh - 1812V	

### Material data

Test thickness	mm	Climatised storage	yes
Average surface area mass	g/m <sup>2</sup>	Preliminary end of test	no
Average raw density	kg/m <sup>3</sup>	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	0:04			
Max. flame height	cm	70 / 40			
Point of time *)	min, sec	0:15 / 0:35			
Melting point *)	min, sec	0:08			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	0:23			

Components drip down *)	min, sec	0:19			
Extent		moderate			
Continuation of burning on the perforated bottom **)	min, sec	-			

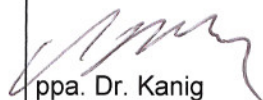
Max. smoke temperature	°C	116			
Appeared after *)	min, sec	10:00			

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

Remaining lengths	Test	cm			
	Test 1	52			
	Test 2	45			
	Test 3	53			
	Test 4	51			
Average value of single test		50			

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.