

5190243IB02**2020022408**

Overall Rating:

Class B1

Report No: 2020022408
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Sample ID :

Fabric
Pattern No: 1389

	TEST	METHOD	RESULT
*	Fire behaviour of building materials and elements Part 1: Classification of building materials Requirements and testing	DIN 4102	PASS B1



Seal

Customer Representative
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Environment

The requirements and standards apply to equipment intended for use in,

X	Residential (domestic) environment
X	Commercial and light-industrial environment
X	Industrial environment
X	Medical environment



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RESULTS

row-no.	Foil-type:	Results of the Numune test (part 1)			
		measurements test specimen			
			Sample B1		
1	No. of test specimen arrangement according to DIN 4102, part 15, table 1		--		
2	Max. flame height above bottom edge cm		6		
	Time ¹⁾ min : s		1:03		
4	Melt through / burn through Time ¹⁾ min : s		--		
5	Observations on the backside of the specimens Flames/smouldering Time ¹⁾ min : s		--		
6	Discolouration Time ¹⁾ min : s		10:31		
7	Burning droplets Start ¹⁾ min : s		--		
8	Extent		--		
9	sporadic burning droplets continually falling particles		--		
10	Falling particles which burns Start ¹⁾ min : s		1:28		
11	sporadic falling parts		x		
12	continually falling particles		--		
13	Duration of the burning on the screen bottom (max.) min : s		--		
14	Interference of the burner flame by dripping /falling particles Time ¹⁾ min : s		--		
15	Early termination of the test End of burning at the specimen ¹⁾ min : s		--		
16	Time of early cancellation of the test ¹⁾ min : s		--		

1) Time counting from the start of the test



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row-no.		Results of the Numune (part 2)			
		measurements test specimen			
			B1		
17	<u>Continuous burning after termination of the test</u>				
18	Duration min : s		--		
19	Number of specimens		--		
20	Front side of the specimen		--		
21	Back side of the specimen		--		
22	Flame length cm		--		
23	<u>Smouldering after termination of the test</u>				
24	Duration min : s		--		
25	Number of specimens		--		
26	<u>Location</u>				
27	Lower half of the specimens		--		
28	Upper half of the specimens		--		
29	Front side of the specimen		--		
30	Backside of the specimen		--		
31	<u>Smoke development</u>				
32	≤ 400 % x min		250		
33	> 400 % x min		--		
34	Diagram in appendix		--		
35	<u>Residual lengths</u>				
36	Single values cm		10	12	
37			14	12	
38	Average values cm		12		
39	Photo of the specimen on page		--		
40	<u>Smoke temperature</u>				
41	Maximum value of the averaged values °C		121		
42	Time ¹⁾ min : s		9:16		
43	Diagram in appendix Nr.		--		



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(Tests with flaming the edge)

Assessment

- According to the results, the product as tested in the described arrangement also fulfils the requirements of building products according to Baustoffklasse B1. In consequence the product can be classified as

Baustoffklasse B1 (schwerentflammbare Baustoffe)

according to DIN 4102 part 1 (Mai 1998). This assessment is only valid, if the foils are glued on steel. The surface of the self-adhesive foils may be printed, but not be covered with paints, coatings or similar products. The resistance of the fire behaviour against climatic influences in the outside was not proofed. Therefore the product may be used as schwerentflammbar only inside of buildings or in otherwise weather protected areas.

- The material does not produce burning droplets / particles.

Marking

The above mentioned material has to be marked as following:

- "Only schwerentflammbar (class DIN 4102-B1)"

The marking shall be done on the material, on an enclosed paper or on the packaging or, if this would be too difficult, on the delivery-note or on an enclosure to the delivery-note.

This test certificate is solely valid in combination with the original test certificate issued in German language and dated of 14.12.2018. In case of doubt, the certificate issued in German language is valid solely.



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Max. flue gas-temperature = 121 °C
at [min : s] 09 : 16
Smoke-development [% x min]: 324

