

Test laboratory for the fire behavior of building materials
Testing, supervising and certifying body, authorized by the building supervision authority

TEST REPORT

PZ-Hoch-261240

for the proof of Fire behaviour according to DIN 4102, part 1

Translation of the German test report – no guarantee for translation of technical terms

company	SAINT CLAIR TEXTILES 415, avenue de Savoie F-38110 Saint Clair de la Tour
description of samples	-polyester fabric coated with acrylic polyurethane- colour: grey / white
name of the material	„JETUP BC”
sampling	by the company itself
content of request	Proof of flammability to classify building materials to class B1 “schwerentflammbar” according to DIN 4102, part 1
validity of test report	31.08.2031
result	The examined product meets the requirements of class B1 for “schwerentflammbare” (hardly flammable) building materials according to DIN 4102, part 1 (May 1998), suspended freely or with distance of > 40 mm to same or other plain materials.

This test report includes 4 pages and 4 enclosures.

Remark: If the above mentioned building material is not used as product according to MBO § 2, Abs. 10, there is no need for a general building supervisory test report.

This test report does not replace an eventually necessary proof of applicability concerning building supervisory or building laws in the meaning of state building prescriptions. This has to be verified by:

- “allgemeine bauaufsichtliche Zulassung” (general building inspectorate approval) or by
- „allgemeines bauaufsichtliches Prüfzeugnis” (general building inspectorate certificate) or by
- “Zustimmung im Einzelfall” (exceptional approval)

This test report can underlie building supervisory procedures

- for regular building products for the prescribed proofs of conformity
- for non regular building products for the needed proofs of applicability.

This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.

1. Description of test material in condition as delivered

PN 44868: **“JETUP BC”** colour: grey / white
- polyester fabric coated with acrylic polyurethane -
side A: grey / side B: white
characteristic values determined by the test laboratory:
area weight: about 313 g/m² thickness: about 0,36 mm

All values determined by the laboratory are marked as such. All other information (including the material designation) is declared by the manufacturer.

The testing laboratory is not provided with further details concerning composition of the tested building materials. Samples are deposited.

2. Preparation of samples

Samples with a size of 1000 mm height and 190 mm width where cut from the material for fire testing.

The samples were kept in climate chamber 23/50 until they reached constant weight.

3. Arrangement of samples mounting: freely suspended

#2237: flaming side A in warp direction
#2238: flaming side B in warp direction
#2239: flaming side A in weft direction

4. Date of test CW 37 in 2026

5. Results The test has been examined according to DIN 4102 (Mai 1998)

line no.	Measurement	Result with the tested specimen					Dim.
	Test number	#2237	#2238	#2239	---	---	
	flamed direction	warp	warp	weft	---	---	
	flamed side	A	B	A	---	---	
1	<u>Number of specimen arrangement</u> acc. to. DIN 4102/T15, schedule 1	1	1	1	---	---	
2	<u>Maximum flame height above bottom</u> edge of the specimen	40	50	40	---	---	cm
3	Time ¹⁾	0:09	0:15	0:07	---	---	min:s
4	<u>Burn through / melting</u> Time ¹⁾	0:04	0:04	0:05	---	---	min:s
5	<u>Observations on the back side of the</u> <u>specimen</u> Flames / Glowing Time ¹⁾	---	---	---	./.	./.	min:s
6	Change of color Time ¹⁾	./.	./.	./.	./.	./.	min:s
7	<u>Falling of burning droplets</u> Start ¹⁾ Extent	./.	./.	./.	./.	./.	min:s
8	sporadic falling of burning droplets ²⁾	---	---	---	./.	./.	
9	continuous falling of burning droplets ²⁾	---	---	---	./.	./.	min:s

line no.	Measurement	Result with the tested specimen					Dim.
	Test number	#2237	#2238	#2239	---	---	
	flamed direction	warp	warp	weft	---	---	
	flamed side	A	B	A	---	---	
10	<u>Falling of burning droplets</u>	./.	./.	X	./.	./.	min:s
	Start ¹⁾			0:25			
	Extent	./.	./.	./.	./.	./.	
11	sporadic falling of burning droplets ²⁾			X			
12	continuous falling of burning droplets ²⁾	./.	./.	./.	./.	./.	
13	<u>Afterflame time at the bottom of the sieve (max.)</u>	./.	./.	0:02./.	./.	./.	min:s
14	<u>Impairment of the burner by dropping or falling material:</u>						
	Time ¹⁾	./.	./.	./.	./.	./.	min:s
15	Final occurrence of burning at the specimen ¹⁾	0:45	0:40	0:50	./.	./.	min:s
16	Time of eventually end of test ¹⁾	./.	./.	./.	./.	./.	min:s
17	<u>Afterflame after end of test</u>						
	Time ¹⁾	./.	./.	./.	./.	./.	min:s
18	Number of specimen	./.	./.	./.	./.	./.	
19	Front side of specimen ²⁾	./.	./.	./.	./.	./.	
20	Back side of specimen ²⁾	./.	./.	./.	./.	./.	
21	flame length	./.	./.	./.	./.	./.	cm
22	<u>Afterglow after end of test</u>	./.	./.	./.	./.	./.	min:s
	Time ¹⁾	./.	./.	./.	./.	./.	
23	Number of specimen	./.	./.	./.	./.	./.	
	<u>Place of appearance</u>	./.	./.	./.	./.	./.	
24	Lower half of the specimen ²⁾	./.	./.	./.	./.	./.	
25	Upper half of the specimen ²⁾	./.	./.	./.	./.	./.	
26	Front side of specimen ²⁾	./.	./.	./.	./.	./.	
27	Back side of specimen ²⁾	./.	./.	./.	./.	./.	
28	<u>Density of smoke</u>						
	≤ 400 % * min	17	12	13	---	---	% * min
29	> 400 % * min ⁴⁾	./.	./.	./.	./.	./.	% * min
30	Diagram: encl. no.	1	2	3	---	---	
31	<u>Residual lengths: individual value³⁾</u>						
	Specimen 1	63	64	61	---	---	cm
	Specimen 2	61	65	61	---	---	cm
	Specimen 3	72	56	57	---	---	cm
	Specimen 4	68	64	59	---	---	cm
32	<u>Average value, individual test ³⁾</u>	66	62	60	---	---	
33	<u>Photo of specimen in enclosure no.</u>	1	2	3	---	---	
34	<u>Flue gas temperature</u>	113	115	113	---	---	°C
35	Maximum of average value						
	Time ¹⁾	08:53	10:00	09:39	---	---	min:s
36	Diagram: encl. no.	1	2	3	---	---	
37	Remarks: - none -						

¹⁾ indication of times: from the begin of testing procedure ²⁾ checked off if applicable

³⁾ indication of carrier/foam layer separated in case of fire-proofing agents ⁴⁾ very strong development of smoke

6. Explanations concerning the testing procedure

There were no additional tests proceeded because of the residual length of $\geq$ than 45cm.

7. Summary of results and additional establishments to Fire Behaviour

line no.	measurement	Result with the tested specimen					dimension
	test-no.	#2237	#2238	#2239	---	---	
	flamed direction flamed side	warp A	warp B	weft A	---	---	
1	residual length	66	62	60	---	---	cm
2	max. smoke temperature	113	115	113	---	---	°C
3	density of smoke - integral	17	12	13	--	--	%min
4	remarks: none						

According to DIN 4102, part 1, "schwerentflammbare" (hardly flammable) building materials must meet the requirements of class B2.

Pursuant to additional tests in the ignitability apparatus this can be determined (appendix 4).

8. Special remarks

- This report is only valid for the material as described under paragraph 1. In combination with other materials or with additional coatings or grounds etc. the burning behaviour may differ.
- This test report is not valid for the exposure to outdoor climate conditions.
- This test report is no substitute for a General Building Inspectorate Certificate.
- This test report is granted without prejudice to the rights of third parties, im particular private proprietary rights.
- For legal interests only the German original version is relevant.
- In General Building Inspectorates procedures this test report can be based for
 - regular building materials for the required proof of accordance
 - for not regular building materials for the required proof of applicability
- This test report is granted without prejudice to the rights of third parties, im particular private proprietary rights.
- No measurement uncertainties of the results were taken into account in the assessment.

9. Validity

This test report is valid until the mentioned date on page 1. The test report becomes invalid in case the standards on which the tests are based are changed.

Fladungen, 14.09.2026

clerk in charge:


(Dipl.-Ing.(FH) Jürgen Hammer)



Head of the test laboratory:


(Dipl.-Ing.(FH) Andreas Hoch)

-----End of report-----

„Brandschacht“-test #2237

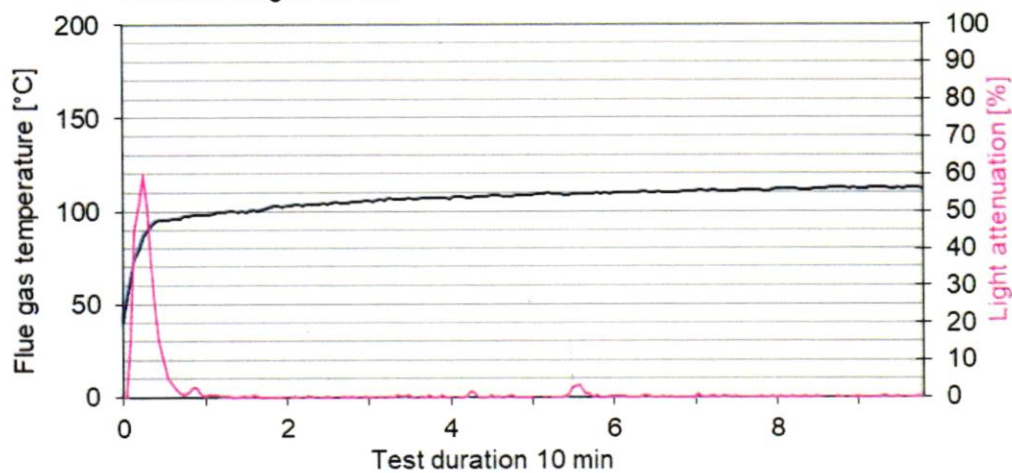


measurement

#2237, PN44868: A + L

Max. flue temperature: 113°C, Smoke density integral: 17%min

Residual length: 66 cm



„Brandschacht“-test #2238

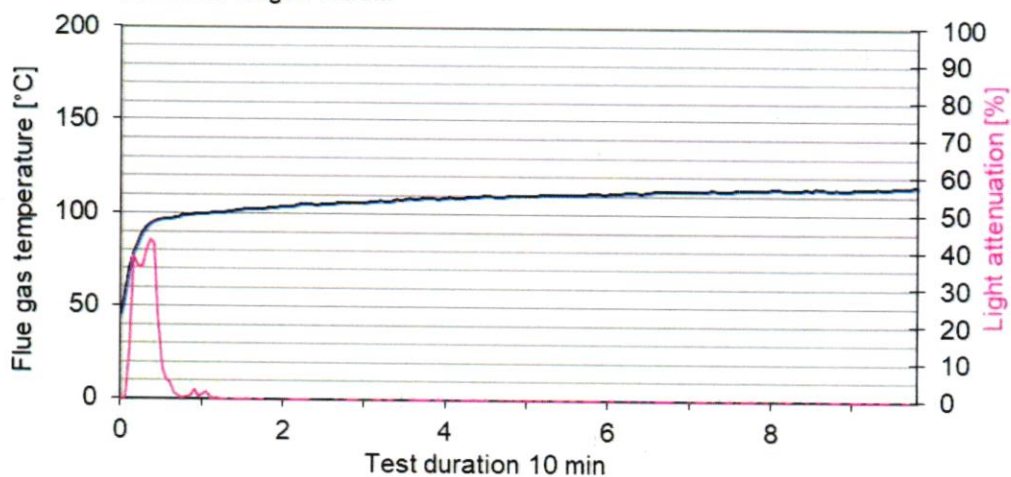


measurement

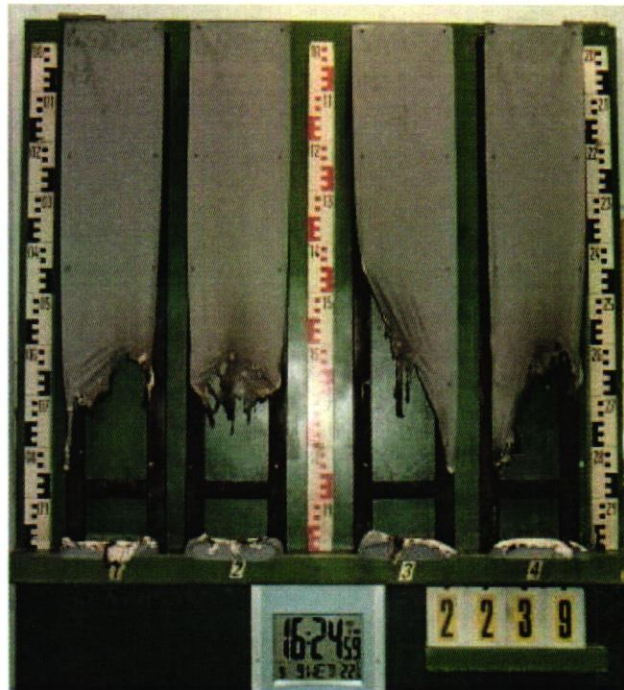
#2238, PN44868: B + L

Max. flue temperature: 115°C, Smoke density integral: 12%min

Residual length: 62 cm



„Brandschacht“-test #2239

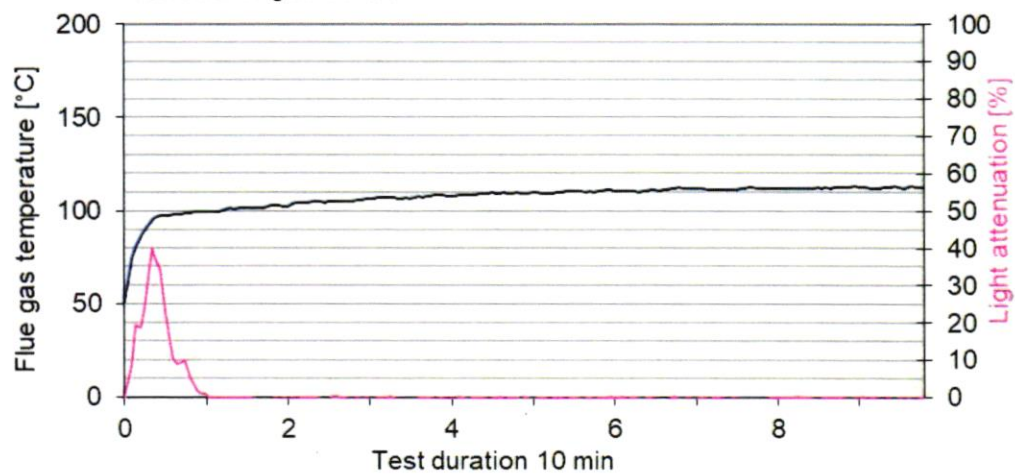


measurement

#2239, PN44868: A + Q

Max. flue temperature: 113°C, Smoke density integral: 13%min

Residual length: 60 cm



Test for normal flammability classifying B2 according to DIN 4102

1. Description of test material in condition as delivered -look at page 2-

2. Preparation of samples

Out of the material there have been cut samples for the ignitability apparatus.
The samples were kept in a climate 23/50 until they reached constant weight.

3. Arrangement of samples

- freely suspended-
- Flaming in warp and weft direction / side A and side B

4. Date of test CW 37 in 2026

5. Results

flaming side B in weft direction	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition ¹⁾	1	1	1	1	1	--	3	--	--	--	--	--	s
reaching the mark of measurement ¹⁾²⁾	-/-	-/-	-/-	-/-	-/-	--	-/-	--	--	--	--	--	s
max. flame height	11	11	10	10	11	--	10	--	--	--	--	--	cm
time	9	8	9	7	8	--	10	--	--	--	--	--	
self cessation of the flames end of afterflame ¹⁾	10	9	10	8	9	--	15	--	--	--	--	--	s
end of glowing ¹⁾	19	16	16-	-/-	16	--	16	--	--	--	--	--	s
flames were extinguished after ¹⁾	-/-	-/-	-/-	-/-	-/-	--	-/-	--	--	--	--	--	
smoke development (visual)	heavy						very heavy						
dropping of burning material during 20 s ¹⁾	-/-	-/-	-/-	-/-	-/-	--	-/-	--	--	--	--	--	s
Appearance after test: burned out till max. height 8 cm x width 2,5 cm													

additional tests	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
arrangement of samples side / direction	A/K	B/K	A/S	--	--	--	A/K	B/K	A/S	--	--	--	
ignition ¹⁾	1	1	1	--	--	--	3	3	3	--	--	--	s
reaching the mark of measurement ¹⁾²⁾	-/-	-/-	-/-	--	--	--	-/-	-/-	-/-	--	--	--	s
max. flame height	6	7	9	--	--	--	8	10	7	--	--	--	cm
time	4	9	6	--	--	--	15	7	11	--	--	--	
self cessation of the flames end of afterflame ¹⁾	5	15	15	--	--	--	5	5	6	--	--	--	s
end of glowing ¹⁾	-/-	-/-	18	--	--	--	18	17	16-	--	--	--	s
flames were extinguished after ¹⁾	-/-	-/-	-/-	--	--	--	-/-	-/-	-/-	--	--	--	s
smoke development (visual)	heavy						very heavy						
dropping of burning material during 20 s ¹⁾	-/-	-/-	-/-	--	--	--	-/-	-/-	-/-	--	--	--	s
Appearance after test: burned out till max. height 8 cm x width 2,5 cm													

¹⁾ time mentioned from the beginning of the test ²⁾ during 20 Sec -/- no appearance -- no information

K: warp / S: weft

6. Remarks and explanations to the testing procedure - none -

7. Opinion concerning the dropping of burning material

The test for normal flammability shows no burning dripping material.

-----End of enclosures-----