

Test laboratory for the fire behavior of building materials, Dipl.-Ing. (FH) Andreas Hoch  
Testing, supervising and certifying body, authorized by the building supervision authority

# TEST REPORT

## PZ-Hoch-211192

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

<b>company</b>	<b>Heytex Bramsche GmbH</b> Heywinkelstr. 1 D-49565 Bramsche
<b>description of samples</b>	mesh fabric consisting of Polyester, coated on both sides with PVC colour: white
<b>name of the material</b>	„H5071 mesh matt FR B1/M1”
<b>sampling</b>	by the company itself
<b>content of request</b>	Proof of flammability to classify building materials to class B1 “schwerentflammbar” according to DIN 4102, part 1
<b>validity of test report</b>	30.09.2026
<b>result</b>	<b>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 &gt;40 mm to same or other plain materials.</b> <b>The examined product shows burning droplets.</b>

This test report includes 4 pages and 6 enclosures.

Remark: If the above mentioned building material is not used as product according to MBO § 2, Abs. 9, Ziffer 1, there is no need for a general building supervisory test report.

This test report is not valid if the examined building material is used as product in the meaning of state building prescriptions (MBO § 17, Abs. 3).

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This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.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 33896: "H5071 mesh matt FR B1/M1" colour: white**  
 -mesh fabric consisting of Polyester, coated on both sides with PVC-  
 side A: a little bit smoother  
characteristic values determined by the test laboratory:  
 area weight: about 363 g/m<sup>2</sup>      thickness: about 0,43 mm

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

**2. Preparation of samples**

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

**3. Arrangement of samples**      mounting: freely suspended

#4857      flaming side A in warp direction  
 #4858      flaming side B in warp direction  
 #4859      flaming side A in weft direction  
 #4860      flaming side A in warp direction  
 #4861      flaming side A in warp direction

**4. Date of test**      CW 37 in 2021

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

line no.	Measurement	Result with the tested specimen					Dim.
		#4857	#4858	#4859	#4860	#4861	
	Test number						
	flamed direction	warp	warp	weft	warp	warp	
	flamed side	A	B	A	A	A	
1	<u>Number of specimen arrangement</u> acc. to. DIN 4102/T15, schedule 1	1	1	1	1	1	
2	<u>Maximum flame height above bottom</u> edge of the specimen	40	50	50	40	60	cm
3	Time <sup>1)</sup>	0:06	0:10	0:34	0:05	1:10	min:s
4	<u>Burn through / melting</u> Time <sup>1)</sup>	0:04	0:04	0:04	0:04	0:05	min:s
5	<u>Observations on the back side of the</u> <u>specimen</u> Flames / Glowing Time <sup>1)</sup>	---	---	---	---	---	min:s
6	Change of color Time <sup>1)</sup>	./.	./.	./.	./.	./.	min:s
7	<u>Falling of burning droplets</u> Start <sup>1)</sup>	./.	./.	./.	./.	./.	min:s
8	Extent sporadic falling of burning droplets <sup>2)</sup>	---	---	---	---	---	
9	continuous falling of burning droplets <sup>2)</sup>	---	---	---	---	---	min:s
10	<u>Falling of burning droplets</u> Start <sup>1)</sup>	X 0:35/1:20	X 0:25/0:58	X 0:43	X 0:14	X 1:35/1:45	min:s
11	Extent sporadic falling of burning droplets <sup>2)</sup>	X	X	X	X	X	
12	continuous falling of burning droplets <sup>2)</sup>	---	---	---	---	---	