

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-220387

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	fabric consisting of polyester with pvc-coating in 3 different colours
name of the material	„ARCADE FR”
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	30.04.2027
result	The examined product meets in any colour 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 5 pages and 7 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This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.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 34928:** „ARCADE FR“ colour: white
 -polyester fabric with pvc-coating-
 side A: smoother
characteristic values determined by the test laboratory:
 area weight: about 535 g/m² thickness: about 0,42 mm
- PN 34929:** „ARCADE FR“ colour: red
 -polyester fabric with pvc-coating-
 side A: smoother
characteristic values determined by the test laboratory:
 area weight: about 542 g/m² thickness: about 0,28 mm
- PN 34930:** „ARCADE FR“ colour: black
 -polyester fabric with pvc-coating-
 side A: smoother
characteristic values determined by the test laboratory:
 area weight: about 538 g/m² thickness: about 0,40 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

#5310:	PN 34930	side A in warp direction	black
#5311:	PN 34930	side B in warp direction	black
#5312:	PN 34930	side B in weft direction	black
#5313:	PN 34928	side B in warp direction	white
#5314:	PN 34929	side B in warp direction	red

4. Date of test CW 14 in 2022

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

line no.	Measurement	Result with the tested specimen					Dim.
	Test number	#5310	#5311	#5312	#5313	#5314	
	colour of fabric	black			white	red	
	flaming direction / side	warp / A	warp / B	weft / B	warp / B	warp / B	
1	Number of specimen arrangement acc. to. DIN 4102/T15, schedule 1	1	1	1	1	1	
2	Maximum flame height above bottom edge of the specimen	60	60	60	60	60	cm
3	Time ¹⁾	0:02	0:04	0:03	0:05	0:04	min:s
4	Burn through / melting Time ¹⁾	0:07	0:07	0:07	0:08	0:08	min:s
	Observations on the back side of the specimen						
5	Flames / Glowing Time ¹⁾	---	---	---	---	---	min:s
6	Change of colour Time ¹⁾	./.	./.	./.	./.	./.	min:s
7	Falling of burning droplets Start ¹⁾	./.	./.	./.	./.	./.	min:s
8	Extent						
9	sporadic falling of burning droplets ²⁾	---	---	---	---	---	min:s
10	continuous falling of burning droplets ²⁾	---	---	---	---	---	min:s
11	Falling of burning droplets Start ¹⁾	./.	./.	./.	./.	./.	min:s
12	Extent						
13	sporadic falling of burning droplets ²⁾	---	---	---	---	---	min:s
14	continuous falling of burning droplets ²⁾	---	---	---	---	---	min:s
15	After flame time at the bottom of the sieve (max.)	./.	./.	./.	./.	./.	min:s
16	Impairment of the burner by dropping or falling material: Time ¹⁾	./.	./.	./.	./.	./.	min:s
17	Final occurrence of burning at the specimen ¹⁾	1:55	2:50	4:16	1:48	2:21	min:s
18	Time of eventually end of test ¹⁾	./.	./.	./.	./.	./.	min:s
19	After flame after end of test Time ¹⁾	./.	./.	./.	./.	./.	min:s
20	Number of specimen	./.	./.	./.	./.	./.	
21	Front side of specimen ²⁾	./.	./.	./.	./.	./.	
	Back side of specimen ²⁾	./.	./.	./.	./.	./.	
	flame length	./.	./.	./.	./.	./.	cm