

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-170048

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	DICKSON COATINGS 415, avenue de Savoie F-38357 St Clair de la Tour
description of samples	polyester fabric with PVC-coating in 2 different versions (colour: white)
name of the material	„LAC1050SLF” & “LAC1050SLF BO“
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	31.12.2021
result	The examined products meet 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 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This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.

*) prolongation on request.

1. Description of test material in condition as delivered

PN 24625: "LAC1050SLF" colour: white

-polyester fabric with PVC-coating-
side A: structured / side B: smooth

characteristic values determined by the test laboratory:

area weight: about 1049 g/m² thickness: about 0,84 mm

PN 24626: "LAC1050SLF BO" colour: white

-polyester fabric with PVC-coating, with black inner layer-
side A: structured / side B: smooth

characteristic values determined by the test laboratory:

area weight: about 1085 g/m² thickness: about 0,83 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	
#8657:	flaming side A in warp direction	PN 24626
#8658:	flaming side B in warp direction	PN 24626
#8659:	flaming side A in weft direction	PN 24626
#8662:	flaming side A in warp direction	PN 24625

4. Date of test CW 03 in 2017

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

line no	Measurement	Result with the tested specimen					Dim.
		#8657	#8658	#8659	#8662	---	
	Test number	warp / A	warp / B	weft / A	warp / A	---	
	flaming direction / side						
	sample-no.	PN 24626		PN 24625	---		
1	Number of specimen arrangement acc. to. DIN 4102/T15, schedule 1	1	1	1	1	---	
2	Maximum flame height above bottom edge of the specimen	70	70	70	70		cm
3	Time ¹⁾	0:21	0:18	0:21	0:19	---	min:s
4	Burn through / melting Time ¹⁾	0:25	0:24	0:28	0:19	---	min:s
	<u>Observations on the back side of the specimen</u>						
5	Flames / Glowing Time ¹⁾	./.	./.	./.	./.	./.	min:s
6	Change of color Time ¹⁾	./.	./.	./.	./.	./.	min:s
7	<u>Falling of burning droplets</u> Start ¹⁾	./.	./.	./.	./.	./.	min:s
8	<u>Extent</u> sporadic falling of burning droplets ²⁾	./.	./.	./.	./.	./.	
9	continuous falling of burning droplets ²⁾	./.	./.	./.	./.	./.	min:s
10	<u>Falling of burning droplets</u> Start ¹⁾	./.	./.	./.	./.	./.	min:s
11	<u>Extent</u> sporadic falling of burning droplets ²⁾	./.	./.	./.	./.	./.	
12	continuous falling of burning droplets ²⁾	./.	./.	./.	./.	./.	min:s
13	<u>Afterflame time at the bottom of the sieve (max.)</u>	./.	./.	./.	./.	./.	min:s
14	<u>Impairment of the burner by dropping or falling material:</u> Time ¹⁾	./.	./.	./.	./.	./.	min:s
15	<u>Premature end of test</u> Final occurrence of burning at the specimen ¹⁾	./.	./.	./.	./.	./.	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