Prüfinstitut Hoch
Lerchenweg 1
D-97650 Fladungen
Tel.: int - 49 - 9778-7480-200
hoch.fladungen@t-online.de www.reaction-to-fire.de

Hoch
Fladungen

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-151228-2

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	**DATAPLOT GmbH** Gutenbergstraße 15 D-24558 Henstedt-Ulzburg
description of samples	polyester fabric coated with PVC (colour: white)
name of the material	**„EMBLEM Solvent Frontlit Banner 510 SM FR 2“**
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	30.09.2020
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. 9, Ziffer1, 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This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.

member of EOTA
notified body no.: 1508

By the DAkkS according to DIN EN ISO/IEC 17025 accredited test laboratory.
The accreditation is valid for the testing methods specified in the certificate.

DAkkS Deutsche Akkreditierungsstelle D-PL-11005-01-00

1. Description of test material in condition as delivered

PN 22291: "EMBLEM Solvent Frontlit Banner 510 SM FR 2"

-white polyester fabric coated with PVC-
side B: a little bit glossier

characteristic values determined by the test laboratory:

area weight: about 521 g/m² thickness: about 0,42 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. Samples with the dimensions 1000 mm height and 190 mm width where cut out from the material for fire testing.

3. Arrangement of samples

mounting: freely suspended

#7101: flaming side A in warp direction
#7102: flaming side B in warp direction
#7103: flaming side B in weft direction

4. Date of test

CW 41 in 2015

5. Results

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

line no.	Measurement	Result with the tested specimen				Dim.
	Test number	#7101	#7102	#7103	---	
	flaming direction / side	warp / A	warp / B	weft / B	---	
1	Number of specimen arrangement acc. to. DIN 4102/T15, schedule 1	1	1	1	---	
2	Maximum flame height above bottom edge of the specimen	50	40	50		cm
3	Time [1]	0:09	0:06	0:07	---	min:s
4	Burn through / melting Time [1]	0:07	0:08	0:08	---	min:s
5	Observations on the back side of the specimen 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 sporadic falling of burning droplets [2]	./.	./.	./.	./.	
9	continuous falling of burning droplets [2]	./.	./.	./.	./.	min:s
10	Falling of burning droplets Start [1]	./.	./.	./.	./.	min:s
11	Extent sporadic falling of burning droplets [2]	./.	./.	./.	./.	
12	continuous falling of burning droplets [2]	./.	./.	./.	./.	