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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-180414-2

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

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

company	**Antalis International** 8, rue de Seine F-92 100 Boulogne-Billancourt
description of samples	white fabric consisting of 100% Polyester
name of the material	**„Coala Textile Frontlit Woven“**
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	31.03.2023
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 3 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This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.

1. Description of test material in condition as delivered

PN 27320: "Coala Textile Frontlit Woven"

- white fabric consisting of 100% Polyester -

There is no difference between side A and side B.

characteristic values determined by the test laboratory:

area weight: about 170 g/m² thickness: about 0,24 mm

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 the dimensions 1000 mm height and 190 mm width where cut out from the material for fire testing.

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

3. Arrangement of samples - freely suspended -

#1150 side A in warp direction
#1151 side B in weft direction

4. Date of test CW 16 in 2018

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

line no.	Measurement	Result with the tested specimen				Dim.
	Test number	#1150	#1151	---	---	
	flaming direction	warp	weft	---	---	
	side	A	B	---	---	
1	Number of specimen arrangement acc. to. DIN 4102/T15, schedule 1	1	1	---	---	
2	Maximum flame height above bottom edge of the specimen	30	30			cm
3	Time [1]	0:02	0:02	---	---	min:s
4	Burn through / melting Time [1]	0:03	0:02	---	---	min:s
	Observations on the back side of the specimen					
	Flames / Glowing	---	---	---	---	
5	Time [1]	---	---	---	---	min:s
	Change of color	---	---	---	---	
6	Time [1]	---	---	---	---	min:s
7	Falling of burning droplets Start [1]	---	---	---	---	min:s
	Extent	---	---	---	---	
8	sporadic falling of burning droplets [2]	---	---	---	---	
9	continuous falling of burning droplets [2]	---	---	---	---	min:s
10	Falling of burning droplets Start [1]	./.	./.	./.	./.	min:s
	Extent	./.	./.	./.	./.	
11	sporadic falling of burning droplets [2]					
12	continuous falling of burning droplets [2]	./.	./.	./.	./.	