

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-141005-4

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>Antalis International</b> 8, rue de Seine F-92 100 Boulogne-Billancourt
<b>description of samples</b>	-fabric consisting of polyester, coated on one side with polyurethane resin- colour: white
<b>name of the material</b>	„Coala Textile Frontlit Unitex”
<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>	31.07.2019
<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>

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This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.

**1. Description of test material in condition as delivered**

**PN 20024: "Coala Textile Frontlit Unitex"**

-fabric consisting of polyester, coated on one side with polyurethane resin-  
 colour: white

side A: coated side

characteristic values determined by the test laboratory:

area weight: about 200 g/m<sup>2</sup>      thickness: about 0,28 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

- #5738      flaming side A in warp direction
- #5739      flaming side B in warp direction
- #5740      flaming side A in weft direction

**4. Date of test**      CW 34 in 2014

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

line no.	Measurement	Result with the tested specimen					Dim.
	Test number	#5738	#5739	#5740	---	---	
	flamed direction	warp	warp	weft	---	---	
	flamed side	A	B	A	---	---	
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	30	40	40			cm
3	Time <sup>1)</sup>	0:02	0:12	0:04	---	---	min:s
4	Burn through / melting Time <sup>1)</sup>	0:03	0:03	0:03	---	---	min:s
	<u>Observations on the back side of the specimen</u>						
5	Flames / Glowing Time <sup>1)</sup>	./.	./.	./.	./.	./.	min:s
6	Change of colour 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>	./.	./.	./.	./.	./.	min:s
11	Extent sporadic falling of burning droplets <sup>2)</sup>	./.	./.	./.	./.	./.	
12	continuous falling of burning droplets <sup>2)</sup>	./.	./.	./.	./.	./.	