

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-200665

**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>Continental Grafix AG</b> Lettenstrasse 2 CH-6343 Rotkreuz
<b>description of samples</b>	perforated self-adhesive PVC-film in a nominal thickness of about 145µ
<b>name of the material</b>	„PanoRama Innova ICE“
<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>	30.07.2025
<b>result</b>	<b>The examined product meets glued on</b> <ul style="list-style-type: none"><li>• <b>massive mineral substates with a density of <math>\geq 1.500 \text{ kg/m}^3</math> and a thickness of <math>\geq 0,6\text{mm}</math></b></li><li>• <b>single-pane safety glass in a minimal thickness of 3,9mm</b></li></ul> <b>the requirements of class B1 for “schwerentflammbare” (hardly flammable) building materials according to DIN 4102, part 1 (May 1998).</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, 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This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.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 31621: „PanoRama Green“**

-perforated self-adhesive PVC-film in a nominal thickness of about 145µ-  
 front side: white / reverse side: black, self adhesive

characteristic values determined by the test laboratory:

- whole thickness: about 0,33 mm
- whole area weight: about 291 g/m<sup>2</sup>
- thickness of self-adhesive foil: about 0,17 mm
- area weight of self-adhesive foil: about 156 g/m<sup>2</sup>

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.  
 The self-adhesive film was glued on fiber cement boards with a thickness of about 6 mm, according to DIN 4102-16: 2015-09, point 4.4, a.  
 To perform the test on glass the film was glued on single pane safety glass in a thickness of about 3,9mm.

**3. Arrangement of samples** mounting: self-adhesive foil glued on aluminium panels

- #3711: flaming in transverse direction, glued on fiber cement boards
- #3716: flaming in machine direction, glued on fiber cement boards
- #3720: flaming in machine direction, glued on glass

**4. Date of test** CW 30 in 2020

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

line no.	Measurement	Result with the tested specimen					Dim.
		#3711	#3716	#3720	---	---	
	Test number	#3711	#3716	#3720	---	---	
	flamed direction substrate	transverse dir. fiber cement board	machine dir. fiber cement board	machine dir. glass	---	---	
1	<u>Number of specimen arrangement</u> acc. to. DIN 4102/T15, schedule 1	7	7	7	---	---	
2	<u>Maximum flame height</u> above bottom edge of the specimen	60	60	60			cm
3	Time <sup>1)</sup>	4:17	3:20	1:14	---	---	min:s
4	<u>Burn through / melting</u> Time <sup>1)</sup>	./.	./.	./.	---	---	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	sporadic falling of burning droplets <sup>2)</sup>	./.	./.	./.	./.	./.	
9	continuous falling of burning droplets <sup>2)</sup>	./.	./.	./.	./.	./.	min:s