

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-200667

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	Continental Grafix AG Lettenstrasse 2 CH-6343 Rotkreuz
description of samples	clear self-adhesive PET-film in a nominal thickness of about 20µ
name of the material	„PanoRama Green Laminate“
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	30.07.2025
result	The examined product meets glued on <ul style="list-style-type: none">• massive mineral substates with a density of $\geq 1.500 \text{ kg/m}^3$ and a thickness of $\geq 0,6\text{mm}$• single-pane safety glass in a minimal thickness of 3,9mm the requirements of class B1 for “schwerentflammbare” (hardly flammable) building materials according to DIN 4102, part 1 (May 1998).

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This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.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 31622: „PanoRama Green Laminate“

-clear self-adhesive PET-film in a nominal thickness of about 20µ-
 front side: clear / reverse side: clear, self-adhesive

characteristic values determined by the test laboratory:

whole thickness: about 0,05 mm
 whole area weight: about 94 g/m²
 thickness of self-adhesive foil: about 0,04 mm
 area weight of self-adhesive foil: about 50 g/m²

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

- #3713: flaming in transverse direction, glued on fiber cement boards
- #3718: flaming in machine direction, glued on fiber cement boards
- #3722: flaming in transverse 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.
	Test number	#3713	#3718	#3722	---	---	
	flamed direction substrate	transverse dir. fiber cement board	machine dir. fiber cement board	transv. dir. glass	---	---	
1	<u>Number of specimen arrangement</u> acc. to. DIN 4102/T15, schedule 1	7	7	7	---	---	
2	<u>Maximum flame height above bottom</u> edge of the specimen	60	60	50			cm
3	Time ¹⁾	5:30	5:45	2:30	---	---	min:s
4	<u>Burn through / melting</u> Time ¹⁾	./.	./.	./.	---	---	min:s
5	<u>Observations on the back side of the</u> <u>specimen</u> Flames / Glowing	./.	./.	./.	./.	./.	min:s
	Time ¹⁾	./.	./.	./.	./.	./.	
6	Change of colour	./.	./.	./.	./.	./.	min:s
	Time ¹⁾	./.	./.	./.	./.	./.	
7	<u>Falling of burning droplets</u> Start ¹⁾	./.	./.	./.	./.	./.	min:s
	<u>Extent</u>						
8	sporadic falling of burning droplets ²⁾	./.	./.	./.	./.	./.	min:s
9	continuous falling of burning droplets ²⁾	./.	./.	./.	./.	./.	