

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

Prüfinstitut Hoch, Lerchenweg 1, D-97650 Fladungen

Fladungen, December 04th 2013

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fire test according to DIN 4102-1 (B1) with following material

PN 17968: "LG Hausys Interior Film" white self-adhesive film

thickness (without protective film): $\approx 0,18$ mm

area weight (without protective film): ≈ 310 g/m²

Dear Mr. Kux,

with the material we did fire tests acc. DIN 4102-1 in the "Brennkasten" and "Brandschacht" with the following results. The film was applied to steel panels.

Brennkasten-Test / indicative -glued on steel panels-	edge-test	surface-test
max. flame height	5 cm	0 cm
dropping of burning material	no	no

The flame must not hit the gage mark of 15 cm.

Brandschacht-Test	#4625 -glued on steel panels-
max. flame height / time	70 cm / 1:02 min
max. smoke temperature	115°C
rest length sample 1 / 2 / 3 / 4	42/41/42/44 cm
rest length (average)	42 cm
smoke development	64 %min
burning droplets	no

the rest length must be >15 cm, the maximum smoke temperature must be lower than 200°C

- **The self-adhesive film did pass the indicative test for class B2.**
- **The self-adhesive film did pass the indicative "Brandschacht"-test:**
The maximal flame during this test is 70cm.
After the test the material provides good rest lengths which are uncritical for class B1.
The smoke-temperature s stays low. The maximal value is 115°C.
There are no burning droplets.
- **To classify the material according to DIN 4102-1 into class B1 additional tests are necessary!**
The film was applied to steel panels.
This test arrangement is valid for the application "glued on metallic surfaces".
Please inform me how to go on.

Yours sincerely J. Hammer

This test report includes 1 enclosure.

Brandschacht-Test #4625



measurement

