

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, September 11<sup>th</sup> 2013

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K-Hoch-090630-2

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

**PN 10230: „3893 blackout directo”**

thickness ≈ 0,57 mm

**white fabric / side A is flocked**

area weight ≈ 347 g/m<sup>2</sup>

**Dear Mr. Rauch,**

with the fabric we did fire tests acc. DIN 4102-1 in the “Brennkasten” and “Brandschacht” with the following results:

<b>Brennkasten-Test</b>	<b>edge-test</b>	<b>surface-test</b>
max. flame height	14 cm	14 cm
dropping of burning material	no	no

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

<b>Brandschacht-Test</b>	<b>#9342</b>	<b>#9372</b>
flamed side / direction	A / weft	A / warp
max. flame height / time	<b>80 cm / 0:12 min</b>	<b>&gt;100 cm / 0:11 min</b>
<b>max. smoke temperature</b>	<b>117°C</b>	<b>119°C</b>
<b>rest length (average)</b>	<b>39 cm</b>	<b>27 cm</b>
smoke development	26 %min	35 %min
burn through	0:07 min	0:08 min
burning droplets	no (11 sec.)	no

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

- **The fabric did pass the “Brennkasten-Test” (B2).**
- **The fabric did pass the “Brandschacht-Test” (main test for class B1 according to DIN 4102-1):**  
To issue an official certificate according to DIN 4102-1 / class B1 additional “Brandschacht-Tests” are necessary.

**Yours sincerely**



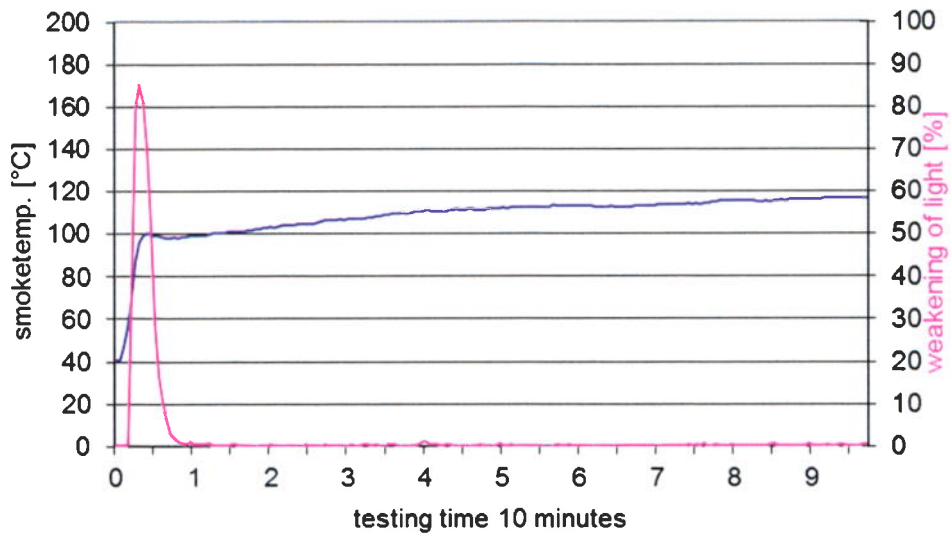
This test report includes 2 enclosures.

**Brandschacht-Test #9342**



**measurement**

# 9342, BERGER "3893", A+S, PN 10230  
 residual length: 39cm, max. smoketemp.: 117°C, smoke-Int.: 26%/min



**Brandschacht-Test #9372**



**measurement**

# 9372, BERGER "3893", B+K, PN 10230-2  
residual length: 27cm, max. smoketemp.: 119°C, smoke-Int.: 35%/min

