



CENTRUM STAVEBNÍHO INŽENÝRSTVÍ a.s.

Zkušebna fyzikálních vlastností materiálů, konstrukcí a budov - Praha
Zkušební laboratoř č. 1007.4 akreditovaná ČIA dle ČSN EN ISO/IEC 17025
Pražská 16, 102 00 Praha 10 Hostivař

TEST REPORT

No. 18/440/P124



Job No.: Z-18/440/P040

No. of pages: 3 + 2 app.

No. of copies: 2

Copy No.: 1

Name of test:

Reaction to fire of building products - SBI test

Material/product/construction:

Nonwoven fabric STRUTO 6/400 with self-adhesive layer

Sponsor:

NETEX, spol. s r.o.
Na Hrázi 124/21
405 02 Děčín
Czech Republic

Manufacturer:

NETEX, spol. s r.o.
Na Hrázi 124/21
405 02 Děčín
Czech Republic

Test specimens delivery date:

26th February 2018

Workplace:

Fire technical laboratory

Location:

Pražská 16, Praha 10 – Hostivař

Date of test:

5th March 2018

Date of issue:

9th March 2018

Vít Slaboch
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fire technical laboratory



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1. Test assignment

The test has been done on the base of order No. OV179491 issued on 13th December 2017.

2. Test methods

ČSN EN 13823+A1 Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item.

3. Test specimens

The test specimens were delivered by sponsor.

Marking of the test specimens in laboratory: 18/P124/1-3

Composition: Undeclared

Description of test specimen: Nonwoven fabric of total thickness 7 mm and mass per unit area 700 g/m². Face side covered with thin white textile. Back side – self-adhesive layer. Fabric was glued on the standard substrate according to ČSN EN 13238 – steel sheet of thickness 0,8 mm and density 7850 kg/m³. Test specimens were exposed from face side.

4. Test equipment

- 1) Test device according to ČSN EN 13823 (Reg. No. 703)
- 2) Yardstick (Reg. No. 2)
- 3) Digital stop watch (Reg. No. 22)
- 4) Mass flow meter of propane (Reg. No. 151)
- 5) Thermometer / relative humidity meter (Reg. No. 5)
- 6) Digital anemometer (Reg. No. 67)
- 7) Digital barometer (Reg. No. 12)
- 8) AD converter (Reg. No. 45)
- 9) Micro pressure gauge (Reg. No. 163)
- 10) Weighing scale (Reg. No. 50)
- 11) Coated thermocouple 0,5 mm (Reg. No. 159)
- 12) Coated thermocouple 0,5 mm (Reg. No. 160)
- 13) Coated thermocouple 0,5 mm (Reg. No. 161)
- 14) Coated thermocouple 1,5 mm (Reg. No. 21)

5. Test results and conclusion

Conditioning: From 26th February according to ČSN EN 13238



Test specimen no.	1	2	3	Ø	Expanded uncertainty
Date of test	03-05	03-05	03-05		
LFS < edge	yes	yes	yes	yes	(-)
FIGRA _{0,2 MJ} [W/s]	118,1	110,4	108,7	112,4	8,5
FIGRA _{0,4 MJ} [W/s]	93,4	88,7	90,6	90,9	6,7
THR _{600 s} [MJ]	3,2	3,0	3,3	3,2	0,2
SMOGR _A [m ² /s ²]	0	0	0	0	(-)
TSP _{600 s} [m ²]	41,7	43,4	40,9	42,0	1,5
Flaming droplets/particles	no	no	no	no	(-)
Time of flaming [s]	(-)	(-)	(-)	(-)	(-)

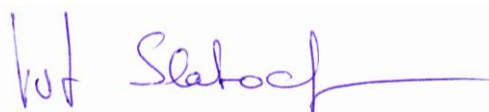
6. Measurement uncertainty

The mentioned expanded uncertainties are obtained by multiplying the standard uncertainties by a coverage factor $k=2$, which corresponded to a level of confidence of 95 %. Standard uncertainties have been determined in accordance with document „EA 4/02“.

7. Declaration

The test results relate to the behaviour of the test specimen of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product of use. The results of tests are concerned only with the subject of testing. The test report shall be reproduced in full only.

Measured by: Vít Slaboch



Test report prepared by: Vít Slaboch

Distribution of test reports:

Copy No. 1 – sponsor

Copy No. 2 – laboratory archive

List of appendixes:

Appendix No. 1: The photograph of the exposed surface of the test specimen

Appendix No. 2: The graphs of measured and calculated values

END OF TEST REPORT

