



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/P123



Job No.: Z-18/440/P040

No. of pages: 3

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Copy No.: 1

Name of test:

Determination of ignitability of construction products

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:

6th March 2018

Date of issue:

9th March 2018

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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 method

ČSN EN ISO 11925-2 Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test

3. Test specimens

The test specimens were delivered by sponsor.
Marking of the test specimens in laboratory: 18/P123/1 - 12.

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 ISO 11925-2 (Reg. No. 746)
- 2) Digital stop watch (Reg. No. 4)
- 3) Yardstick (Reg. No. 148)
- 4) Metallic gauge (Reg. No. 73)
- 5) Metallic gauge (250 x 90) mm (Reg. No. 8)
- 6) Thermometer / relative humidity meter (Reg. No. 74)
- 7) Metallic gauge 10 mm (Reg. No. 77)
- 8) Weighing scale (Reg. No. 155)
- 9) Digital anemometer (Reg. No. 67)

5. Test results and conclusion

Conditioning: from 26th February 2018 according to ČSN EN 13238

Laboratory conditions: temperature T = 23°C; relative humidity RV = 28 %

a) Surface flame attack, exposition time: 30 s

Test specimen No.	1	2	3	4	5	6
Orientation	lengthwise			crosswise		
Ignition of test specimen [Y/N]	N	N	N	N	N	N
Time to reaching mark [s]	(-)	(-)	(-)	(-)	(-)	(-)
Ignition of filter paper [Y/N]	N	N	N	N	N	N

Observations during the test: The test specimens did not ignite by the effect of ignition source.

b) Edge flame attack, exposition time: 30 s

Test specimen No.	7	8	9	10	11	12
Orientation	lengthwise			crosswise		
Ignition of test specimen [Y/N]	N	N	N	N	N	N
Time to reaching mark [s]	(-)	(-)	(-)	(-)	(-)	(-)
Ignition of filter paper [Y/N]	N	N	N	N	N	N

Observations during the test: The test specimens did not ignite by the effect of ignition source.

Annotation: (-) = flame tip did not reach the mark.

6. Measurement uncertainty

Expanded measurement uncertainty of length is ± 1 mm. Expanded measurement uncertainty of time is $\pm 0,5$ s. 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:

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List of appendixes:

without appendixes

END OF TEST REPORT

