



**TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.**  
**Technical and Test Institute for Construction Prague**  
**pobočka / branch Praha**

Akreditovaná zkušební laboratoř • Autorizovaná osoba • Certifikační orgán • Inspekční orgán  
Accredited Test Laboratory Authorised Body Certification Body Inspection Body



L 1018.5

# REPORT

**Test Laboratory No. 1018.5**

**Accredited by The Czech Institute for Accreditation o.p.s. in accordance with  
ČSN EN ISO/IEC 17025**

**No. 010-031289**

**about tests of visible defects, dimensions and tensile properties**

Client: Technical and Test Institute for Construction Prague, s. p.  
Address: Branch 0100 Praha  
Prosecká 811/76a, 190 00 Praha 9  
INo: 00015679  
Applicant: Dural GmbH & Co. KG  
Address: Südring 11, D-56412 Ruppach-Goldhausen, Germany

Tested sample: Dilatation profiles: series SB and DFA

Order number: Z 010 13 0070

Report contains 3 written pages including the title page

Number of Annexes: 0

The person responsible for the content of this report:

**Jiří Novák**  
Report executor

The person responsible for correctness of this report:

**RNDr. Vojtěch Hötzel**  
Head of the Test Laboratory

Prague, 12.03.2013

Copy No.: 1  
Number of copies: 3



Stamp of Test Laboratory No. 1018.5

**Declaration:**

- 1) Results of the tests are valid only for the sample that has been tested and they don't substitute another documents.
- 2) Without the approval by the Test Laboratory the Report may not be copied otherwise than complete. Neither the Report nor its parts may be altered in any way.
- 3) The complaint or objection to this Report may be made in written form to the Head of Test Laboratory within 15 days of delivery.

## **1. Identification of the manufacturer of the subject of tests**

- 1.1. Product: Dilatation profiles: series SB and DFA
- 1.2. Manufacturer: Dural GmbH & Co. KG, Südring 11, D-56412 Ruppach-Goldhausen, Germany

## **2. Test specification**

Performed tests:

Determination of visible defects

Determination of dimensions

Determination of tensile properties

## **3. Sampling and sample preparation:**

Date of sampling: 20.06.2012

Sampler: Ing. Michal Vindyš, employee of branch 0100 Praha

Date of sampling in accredited testing laboratory No. 1018.5: 20.06.2012

Sampler in accredited testing laboratory No. 1018.5: Jiří Novák

Testing specimens were prepared for testing according to relevant standards.

## **4. Test methods, standards and procedures**

4.1. The tests were carried out according to that standard:

ČSN 73 0212-5:1994 Geometrical accuracy in building industry - Accuracy control - Part 5: Accuracy control of building components

ČSN EN ISO 527-1:2012 Plastics - Determination of tensile properties - Part 1: General principles

ČSN EN ISO 527-3:1997 Plastics - Determination of tensile properties - Part 3: Test conditions for films and sheets

ČSN EN 1850-2:2001 Flexible sheets for waterproofing - Determination of visible defects - Part 2: Plastic and rubber sheets for roof waterproofing

4.2. Deviations from the standard testing methods:

No deviation from the standard testing methods has been applied.

## **5. Testing equipment**

- Sliding gauge 0-300 mm, ID: 376

- TIRAtest 2300 scale range 0-100 kN, ID: 80

All the testing and measuring equipment is calibrated and filed in the metrological order of testing laboratory. Certificates of calibration are deposited by the metrologist of the laboratory.

## 6. Test results

Date of test: 08.08. 2012

The test were performed by Jiří Novák

### Series SB

Sample description	1	2	3	4	5	mean value
visible defects	none	none	none	none	none	-----
visible width [mm]	37,2	37,3	37,1	37,1	37,2	<b>37,2</b>
total width [mm]	115,1	114,9	115,1	115,0	115,1	<b>115,0</b>
total height [mm]	15,1	14,9	14,9	14,9	14,8	<b>14,9</b>
Tensile strength at $F_{max}$ [N/50 mm]	238,3	252,4	261,6	215,8	222,2	<b>238,1</b>
Elongation at $F_{max}$	155,3	166,5	168,6	150,2	160,3	<b>160,2</b>
Elongation at break [%]	167,1	180,0	185,4	159,3	167,6	<b>171,9</b>
Failure mode	Cohesion failure in polymer part	Cohesion failure in polymer part	Cohesion failure in polymer part	Cohesion failure in polymer part	Cohesion failure in polymer part	-----

### Series DFA

Sample description	1	2	3	4	5	mean value
visible defects	none	none	none	none	none	-----
visible width [mm]	10,1	10,1	10,1	10,0	10,2	<b>10,1</b>
total width [mm]	52,0	52,0	52,0	52,0	52,0	<b>52,0</b>
inner height [mm]	3,0	3,0	3,0	3,0	3,0	<b>3,0</b>
Tensile strength at $F_{max}$ [N/50 mm]	446,4	454,8	392,8	469,3	405,8	<b>433,8</b>
Elongation at $F_{max}$	57,7	51,3	53,7	58,2	52,1	<b>54,6</b>
Elongation at break [%]	79,8	84,6	81,3	88,6	80,0	<b>82,7</b>
Failure mode	Adhesion failure on one side of profile	Adhesion failure on one side of profile	Adhesion failure on one side of profile	Adhesion failure on one side of profile	Adhesion failure on one side of profile	-----

THE END OF REPORT