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**Technical and Testing Institute for Construction Prague**

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L 1018.3

# TEST REPORT

issued by Testing Laboratory No. 1018.3  
accredited pursuant to ČSN EN ISO/IEC 17025:2005 by Czech Accreditation Institute

**No. 010-039708**

## on determination of water vapour transmission properties

Ordering Party: LLC Zavod Logicroof  
Address: Vostochnij Promuzel 21, 391000 Ryazan, Russian Federation  
Company ID: 6230054971

Manufacturer: LLC Zavod Logicroof  
Address: Vostochnij Promuzel 21, 391000 Ryazan, Russian Federation

Test sample: PVC roofing membrane - Logicroof V-RP

Order No.: Z010180052

Number of pages of the Test Report incl. title page: 2      Pages of Annexes: -

Prepared by:

  
Slavomír Štubňa

Specialist

Approved by:

  
Ing. Radka Sedmidubská

Head of the testing department

Print No.: 1  
Number of prints:



Stamp of the testing laboratory No. 1018.3

Praha, 25. 04. 2018

**Declaration:** 1) The test results in this Report relate only to the tested article and they do not substitute any other documents  
2) The Test Report must be copied as a whole only otherwise a written consent of the testing laboratory is needed.

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### 1. Sample data

Evidence Number: VZ010180086  
Sample: PVC roofing membrane - Logicroof V-RP  
Order: Z010180052  
Date of sampling: 08.03.2018  
Sampling place: warehouse of the manufacturer  
Sampling method: not stated  
Method of the sample preparation: Preparation of test samples was performed according to technical requirements of the manufacturer and according to relevant standard.

Data of sampling, conditions, plan and sampling procedure, if necessary, the name of the person performing the sampling are listed in the minutes of sampling, which is stored in the testing department.

### 2. Test methods

EN 1931:2001 Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Determination of water vapour transmission properties

Deviations from a standard procedure or the use of non-standardized methods: were not applied.

### 3. Test results

The test samples were prepared: 28.03.2018  
The tests were performed: 28.03.2018 - 25.04.2018  
The tests were performed by: Slavomír Štubňa

Date about person performing the test, testing equipment and about test conditions are listed in test minutes. All measurement and test equipment are calibrated according to valid plan of the testing department.

#### 3.1 Determination of water vapour transmission properties

The tests were carried out at temperature  $(23 \pm 1) ^\circ\text{C}$  and relative humidity  $(50 \pm 2) \%$ .

Method: B

Conditions in the climatic chamber: temperature  $23 ^\circ\text{C}$ , relative humidity 75 %

Used desiccant:  $\text{CaCl}_2$  (calcium chloride)

#### PVC roofing membrane - Logicroof V-RP (VZ010180086)

<b>Average thickness of the test sample <math>d</math> [m]</b>	0,00126
<b>Density of moisture flow rate <math>g</math> [<math>\text{kg}/(\text{m}^2 \cdot \text{s})</math>]</b>	$(1,8526 \pm 0,1638) \cdot 10^{-8}$
<b>Diffusion resistance factor <math>\mu</math></b>	18215
<b>Water vapour diffusion-equivalent air layer thickness <math>S_d</math> [m]</b>	<b>22,95</b>

END OF THE TEST REPORT

