

**DECLARATION OF PERFORMANCE**  
**No. 1.05****1. Unique identification code of the product type:**

PVC Logicroof V-GR membrane 1,5 mm –  
declaration of performance № 1.05  
PVC Logicroof V-GR membrane 1,8 mm –  
declaration of performance № 1.05  
PVC Logicroof V-GR membrane 2,0 mm –  
declaration of performance № 1.05  
PVC Logicroof V-GR membrane 2,4 mm –  
declaration of performance № 1.05

**2. Intended use/es:**

Flexible sheets for roof waterproofing

**3. Manufacturer:**

Zavod Logicroof LLC  
Vostochny Promuzel 21, Ryazan, 390047, Russian  
Federation

**4. System/s of AVCP:**

System 2+ and 3

**5. Harmonised standard:  
Notified body/ies:**

EN 13956:2012  
1023 (INSTITUTE FOR TESTING AND  
CERTIFICATION, a.s.  
trida Tomase Bati 299, Louky, 763 02 Zlin, Czech  
Republic)



| <b>6. Declared performance Characteristics</b><br>1) md =machine direction<br>2) cmd =cross machine direction   | <b>Performance</b>  | <b>Requirement clauses in EN 13956:2012</b> | <b>Test method</b>         |
|---|---|---|----------------------------|
| <b>Reaction to fire</b><br>Logicroof V-GR 1,5 mm<br>Logicroof V-GR 1,8 mm<br>Logicroof V-GR 2,0 mm<br>Logicroof V-GR 2,4 mm   | Class E   | 5.2.5.2                                     | EN 13501-1                 |
| <b>Watertightness</b><br>Logicroof V-GR 1,5 mm<br>Logicroof V-GR 1,8 mm<br>Logicroof V-GR 2,0 mm<br>Logicroof V-GR 2,4 mm   | Pass (24h/10 kPa)   | 5.2.3                                       | EN 1928-2 B                |
| <b>Tensile strength</b><br><b>longitudinal (md)<sup>1)</sup></b><br><b>transversal (cmd)<sup>2)</sup></b><br>Logicroof V-GR 1,5 mm<br>Logicroof V-GR 1,8 mm<br>Logicroof V-GR 2,0 mm<br>Logicroof V-GR 2,4 mm | $\geq 13$ MPa<br>$\geq 13$ MPa  | 5.2.9                                       | EN 12311-2                 |
| <b>Elongation</b><br><b>longitudinal (md)<sup>1)</sup></b><br><b>transversal (cmd)<sup>2)</sup></b><br>Logicroof V-GR 1,5 mm<br>Logicroof V-GR 1,8 mm<br>Logicroof V-GR 2,0 mm<br>Logicroof V-GR 2,4 mm       | $\geq 200\%$<br>$\geq 200\%$  | 5.2.9                                       | EN 12311-2                 |
| <b>Root resistance</b><br>Logicroof V-GR 1,5 mm<br>Logicroof V-GR 1,8 mm<br>Logicroof V-GR 2,0 mm<br>Logicroof V-GR 2,4 mm  | NPD   | 5.2.13                                      | -                          |
| <b>Resistance to static load</b><br>Logicroof V-GR 1,5 mm<br>Logicroof V-GR 1,8 mm<br>Logicroof V-GR 2,0 mm<br>Logicroof V-GR 2,4 mm  | $\geq 20$ kg  | 5.2.11                                      | EN 12730 B                 |
| <b>Resistance to impact (rigid sub.) / (soft sub.)</b><br>Logicroof V-GR 1,5 mm<br>Logicroof V-GR 1,8 mm<br>Logicroof V-GR 2,0 mm<br>Logicroof V-GR 2,4 mm  | $\geq 600$ mm / $\geq 700$ mm<br>$\geq 800$ mm / $\geq 1000$ mm<br>$\geq 1100$ mm / $\geq 1500$ mm<br>$\geq 1400$ mm / $\geq 1800$ mm | 5.2.10                                      | EN 12691                   |
| <b>Tear resistance</b><br><b>longitudinal (md)<sup>1)</sup></b><br><b>transversal (cmd)<sup>2)</sup></b><br>Logicroof V-GR 1,5 mm<br>Logicroof V-GR 1,8 mm<br>Logicroof V-GR 2,0 mm<br>Logicroof V-GR 2,4 mm  | $\geq 110$ N<br>$\geq 110$ N  | 5.2.12                                      | EN 12310-2                 |
| <b>Joint peel resistance / Joint strength</b><br>Logicroof V-GR 1,5 mm<br>Logicroof V-GR 1,8 mm<br>Logicroof V-GR 2,0 mm<br>Logicroof V-GR 2,4 mm   | $\geq 300$ N/50 mm<br>$\geq 600$ N/50 mm  | 5.2.7                                       | EN 12316-2 /<br>EN 12317-2 |
| <b>Durability</b><br>Logicroof V-GR 1,5 mm  | Pass (>5000 h)  | 5.2.16                                      | EN 1297                    |

|  |          |        |           |
|--|----------|--------|-----------|
| Logicroof V-GR 1,8 mm<br>Logicroof V-GR 2,0 mm<br>Logicroof V-GR 2,4 mm  |          |        |           |
| <b>Foldability</b><br>Logicroof V-GR 1,5 mm<br>Logicroof V-GR 1,8 mm<br>Logicroof V-GR 2,0 mm<br>Logicroof V-GR 2,4 mm           | ≤ - 25°C | 5.2.15 | EN 495-5  |
| <b>Dimensional stability</b><br>Logicroof V-GR 1,5 mm<br>Logicroof V-GR 1,8 mm<br>Logicroof V-GR 2,0 mm<br>Logicroof V-GR 2,4 mm | ≤ 0,5%   | 5.2.14 | EN 1107-2 |
| <b>Dangerous substances</b><br>Logicroof V-GR 1,5 mm<br>Logicroof V-GR 1,8 mm<br>Logicroof V-GR 2,0 mm<br>Logicroof V-GR 2,4 mm  | NPD      | 5.3    | -         |

Note 1 According test reports for roofing systems with PVC LOGICROOF issued by independent testing labs. Available by request.

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Declaration is available on site:

[http://en.technicol.eu/materials/synthetic-membranes/logicroof-membranes/logicroof\\_v-gr](http://en.technicol.eu/materials/synthetic-membranes/logicroof-membranes/logicroof_v-gr)

Signed for and on behalf of the manufacturer by:

**Anton Taritcyn**

Product development & certification specialist

Ryazan, June 4, 2019