



## DECLARATION OF PERFORMANCE No. 5.01

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|---|---|
| <b>1. Unique identification code of the product type:</b> | PIR thermal insulation boards F/F   |
| <b>2. Intended use/es:</b>                                | Thermal insulation for buildings  |
| <b>3. Manufacturer:</b>                                   | Zavod Logicroof PIR LLC<br>Vostochny Promuzel 21, Ryazan, 390047, Russian Federation  |
| <b>4. System/s of AVCP:</b>                               | System 3  |
| <b>5. Harmonised standard:<br/>Notified body/ies:</b>     | EN 13165+A1:2016<br>1688 (Vilnius Gediminas Technical University, Faculty of Civil Engineering, Institute of Building Materials, Laboratory of Thermal Insulating Materials and Acoustics. Linkmenu 28, 08217 Vilnius). Test report # 1688-CPR-1864<br>1023 (INSTITUTE FOR TESTING AND CERTIFICATION, a.s. trida Tomase Bati 299, Louky, 763 02 Zlin, Czech Republic) |

### 6. Declared performance

Essential characteristics		Performance	
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	d <sub>N</sub> 30mm	1.35
		d <sub>N</sub> 40mm	1.80
		d <sub>N</sub> 50mm	2.25
		d <sub>N</sub> 60mm	2.70
		d <sub>N</sub> 70mm	3.15
		d <sub>N</sub> 80mm	3.60
		d <sub>N</sub> 90mm	4.05
		d <sub>N</sub> 100mm	4.50
		d <sub>N</sub> 110mm	5.0
		d <sub>N</sub> 120mm	5.45
		d <sub>N</sub> 130mm	5.9
		d <sub>N</sub> 140mm	6.35
		d <sub>N</sub> 150mm	6.81
	Thermal conductivity $\lambda_D$ (W/(m.K))	<b>0.022</b>	
	Thickness tolerance	<b>T2</b>	
Reaction to fire		<b>Class E</b>	
Durability of reaction to fire against heat, weathering, ageing / degradation		<b>Reaction to fire does not change with time</b>	
Dimensional stability under specified temperature and humidity condition	48 h, 70 °C, 90 % R.H	<b>NPD</b>	

Deformation under specified compressive load and temperature conditions	40 kPa, 70°C, 168h	<b>NPD</b>
Compressive strength	Compressive stress or compressive strength	<b>CS(10\Y)150 ≥ 150</b>
Tensile / Flexural strength	Tensile strength perpendicular to faces	<b>NPD</b>
Durability of compressive strength against ageing / degradation	Compressive creep	<b>NPD</b>
Water permeability	Short term water absorption	<b>WS(P)0.1</b>
	Flatness after one sided wetting	<b>FW2 ≤5</b>
Water vapour permeability	Water vapour transmission	<b>NPD</b>
Acoustic absorption index	Sound absorption	<b>NPD</b>
Release of dangerous substances to the indoor environment	Release of dangerous substances	<b>No harmonized test method available</b>
Continuous glowing combustion	Continuous glowing combustion	<b>No harmonized test method available</b>

NPD: No Performance Determined

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/pir-thermal-insulation/logicpir\\_alu](http://en.technicol.eu/materials/pir-thermal-insulation/logicpir_alu)

Signed for and on behalf of the manufacturer by:

**Anton Taritcyn**

Product development & certification specialist

Ryazan, December 7, 2018