



## DECLARATION OF PERFORMANCE No. 5.02

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| <b>1. Unique identification code of the product type:</b> | PIR boards GTM/GTM TECHNONICOL  |
| <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>1023 (INSTITUTE FOR TESTING AND CERTIFICATION, a.s. trida Tomase Bati 299, Louky, 763 02 Zlin, Czech Republic)<br>1390 (Centrum stavebního inženýrství (CSI), a.s / Institute for testing and certification, a.s CSI division - Centrum stavebního inženýrství Prague, Accredited laboratory No.1007.4) |

### 6. Declared performance

Essential characteristics		Performance	
Thermal resistance	Thermal conductivity $\lambda_D$ (W/(m.K))	<b>0.026</b>	
	Thermal resistance $R_D$ ( $m^2.K/W$ )	$d_N$ 30mm	1.15
		$d_N$ 40mm	1.54
		$d_N$ 50mm	1.92
		$d_N$ 60mm	2.31
		$d_N$ 70mm	2.69
		$d_N$ 80mm	3.08
		$d_N$ 90mm	3.46
		$d_N$ 100mm	3.85
		$d_N$ 110mm	4.23
		$d_N$ 120mm	4.61
		$d_N$ 130mm	5.0
		$d_N$ 140mm	5.38
$d_N$ 150mm	5.77		
	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	Long term water absorption	<b>WL(T) ≤ 1.0</b>
	Flatness after one sided wetting	<b>FW2 ≤ 10</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\\_gtm](http://en.technicol.eu/materials/pir-thermal-insulation/logicpir_gtm)

Signed for and on behalf of the manufacturer by:

**Anton Taritcyn**

Product development & certification specialist  
Ryazan, November 21, 2019