

## DECLARATION OF PERFORMANCE

No termPIR/AgroPrev/1



**Unique identification code of the product type:** termPIR AGRO P REV |  $d_N$ [20-250] | type of edges [FIT, LAP, TAG]

**Manufacturer:** GóR-Stal sp. z o.o.; ul. Przemysłowa 11; 38-300 Gorlice, Poland / Place of manufacture: GóR-Stal; ul. Adolfa Mityry 9; 32-700 Bochnia, Poland

**Harmonised standard:** EN 13165:2012+A2:2016

**The system/s of AVCP:** 3 and 4

**Notified body/ies:** Notified laboratory no **1488** (ITB, Warszawa, PL) make tests reports for: reaction to fire, thermal conductivity, thermal resistance and compressive stress; **1487** (ICiMB, Kraków, PL) make tests reports for: reaction to fire

**Intended use/uses:** thermal insulation products for buildings

**Declared performances:**

essential characteristics	performance	values / classes					
		for ( $20 \leq d_N < 50$ mm): $\pm 2$ mm, T2		for ( $50 \leq d_N \leq 120$ mm): $\pm 3$ mm, T2		for ( $120 < d_N \leq 250$ mm): $+5/-3$ mm, T2	
Thermal resistance	Thickness tolerance, class						
	Thermal conductivity, $\lambda_D$	( $20 \leq d_N \leq 250$ mm): <b>0,022</b> [W/m·K]					
	Thermal resistance, $R_D$ [m <sup>2</sup> ·K/W]	20 mm: <b>0,90</b>	30 mm: <b>1,35</b>	40 mm: <b>1,85</b>	50 mm: <b>2,30</b>	60 mm: <b>2,75</b>	70 mm: <b>3,25</b>
		80 mm: <b>3,70</b>	90 mm: <b>4,15</b>	100 mm: <b>4,65</b>	110 mm: <b>5,10</b>	120 mm: <b>5,55</b>	130 mm: <b>6,05</b>
140 mm: <b>6,50</b>		150 mm: <b>6,95</b>	160 mm: <b>7,45</b>	170 mm: <b>7,90</b>	180 mm: <b>8,35</b>	190 mm: <b>8,85</b>	
	200 mm: <b>9,30</b>	210 mm: <b>9,75</b>	220 mm: <b>10,2</b>	230 mm: <b>10,7</b>	240 mm: <b>11,1</b>	250 mm: <b>11,6</b>	
Reaction to fire (of the product as placed on the market)		F Class (EN 13501-1)					
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability of reaction to fire of the product as placed on the market	NPD; The fire performance of PIR does not deteriorate with time (acc. EN 13165+A2)					
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal conductivity, $\lambda_D$ agged values	( $20 \leq d_N \leq 250$ mm): <b>0,022</b> [W/m·K]					
	Thermal resistance, $R_D$ [m <sup>2</sup> ·K/W] agged values (for thickness $d_N$ )	20 mm: <b>0,90</b>	30 mm: <b>1,35</b>	40 mm: <b>1,85</b>	50 mm: <b>2,30</b>	60 mm: <b>2,75</b>	70 mm: <b>3,25</b>
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	Durability characteristics	NPD					
Dimensional stability	DS(70,90)2						
Deformation under specified compressive load and temper.	NPD						
Compressive strenght	Compressive stress, $\sigma_{10}$	$\geq 120$ kPa, CS(10/Y)120					
Tensile strength	Tensile strength perpendicular to faces	NPD					
Durability of compressive strenght against ageing/degradation	Compressive creep	NPD					
Water permeability	Long term water absorption	NPD					
	Short term water absorption	NPD					
	Flatness after one-sided wetting	NPD					
Water vapour permeability	Water vapour transmission, $\mu$	NPD					
Acoustic absorption index	Sound absorption	NPD					
Release of dengerous substances to the indoor environment		NPD; European test methods are under development for this characteristic.					
Continuous glowing combustion		NPD; European test methods are under development for this characteristic.					
NPD: No Performance Determined							

Harmonised standard: EN 13165:2012+A2:2016

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.

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Bochnia, 08.02.2019  
 place and date of issue

signature and seal of the authorized person