DECLARATION OF PERFORMANCE

No N.ETX/R-eco/3

Unique identification code of the product type: [No DoP] - **termPIR ETX** | d_N[**20-250**] | **R-eco** | type of edges [**FIT, LAP, TAG**] - [modular length / width]
Manufacturer: Gór-Stal sp. z o.o.; ul. Przemysłowa 11; 38-300 Gorlice, Poland / Place of manufacture: Gór-Stal; ul. Adolfa Mitery 9; 32-700 Bochnia, Poland
Harmonised standard: EN 13165:2012+A2:2016
The system/s of AVCP: System 3, System 3 and 4
Notified body/ies: Notified laboratory no **1488** (ITB, Warszawa, PL); **2904** (Fire-Lab, Warszawa, PL); **1487** (ICiMB, Kraków, PL).
Intended use/uses: thermal insulation products for buildings

Declared performances:

Essential characteristics	**Performance**	**Values / classes**					
Thermal resistance	Thickness tolerance, class	*($20 \le d_N < 50$ mm):* ± 2 mm, T2		*($50 \le d_N \le 75$ mm):* ± 3 mm, T2		*($75 < d_N \le 250$ mm):* +5/-3 mm, T2	
	Thermal conductivity, λ_D	*($20 \le d_N < 80$ mm):* **0,027** [W/m·K]		*($80 \le d_N < 120$ mm):* **0,026** [W/m·K]		*($120 \le d_N \le 250$ mm):* **0,025** [W/m·K]	
	Thermal resistance, R_D [m^2·K/W]	*20 mm:* **0,70**	*30 mm:* **1,10**	*40 mm:* **1,45**	*50 mm:* **1,85**	*60 mm:* **2,20**	*70 mm:* **2,55**
		80 mm: **3,05**	*90 mm:* **3,45**	*100 mm:* **3,80**	*110 mm:* **4,20**	*120 mm:* **4,80**	*130 mm:* **5,20**
		140 mm: **5,60**	*150 mm:* **6,00**	*160 mm:* **6,40**	*170 mm:* **6,80**	*180 mm:* **7,20**	*190 mm:* **7,60**
		200 mm: **8,00**	*210 mm:* **8,40**	*220 mm:* **8,80**	*230 mm:* **9,20**	*240 mm:* **9,60**	*250 mm:* **10,0**
Reaction to fire *(of the product as placed on the market)*		***Class F*** *(20-49 mm)* ***Class E*** *(50-250 mm)*					
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, λ_D agged values	*($20 \le d_N < 80$ mm):* **0,027** [W/m·K]		*($80 \le d_N < 120$ mm):* **0,026** [W/m·K]		*($120 \le d_N \le 250$ mm):* **0,025** [W/m·K]	
	Thermal resistance, R_D [m^2·K/W] agged values *(for thickness d_N)*	*20 mm:* **0,70**	*30 mm:* **1,10**	*40 mm:* **1,45**	*50 mm:* **1,85**	*60 mm:* **2,20**	*70 mm:* **2,55**
		80 mm: **3,05**	*90 mm:* **3,45**	*100 mm:* **3,80**	*110 mm:* **4,20**	*120 mm:* **4,80**	*130 mm:* **5,20**
		140 mm: **5,60**	*150 mm:* **6,00**	*160 mm:* **6,40**	*170 mm:* **6,80**	*180 mm:* **7,20**	*190 mm:* **7,60**
		200 mm: **8,00**	*210 mm:* **8,40**	*220 mm:* **8,80**	*230 mm:* **9,20**	*240 mm:* **9,60**	*250 mm:* **10,0**
	Durability characteristics	NPD					
	Dimensional stability	NPD		*($50 \le d_N \le 250$ mm):* DS(-20,-)**2** / DS(70,90)**3**			
	Deformation under specified compressive load and temper. condition	NPD					
Compressive strength	Compressive stress, σ_{10}	≥ 120 kPa, CS(10/Y)**120**					
Tensile strength	Tensile strength perpendicular to faces	NPD		*($50 \le d_N \le 250$ mm):* ≥ 80 kPa, TR**80**			
Durability of compressive strength 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	NPD					
Acoustic absorption index	Sound absorption	NPD					
Release of dangerous 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.*					
Shear behavior	-	*($20 \le d_N < 50$ mm):*		*($50 \le d_N \le 120$ mm):*		*($120 < d_N \le 250$ mm):*	
	Shear stength	NPD		≥ 20 kPa, SS 20		NPD	
	Shear modulus			≥ 1000 kPa, SM 1000			
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, 01.01.2025
place and date of issue

signature and seal of the authorized person