

DECLARATION OF PERFORMANCE

No N.BT/R-eco/2

Unique identification code of the product type: [No DoP] - **termPIR BT** | 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 Mitera 9; 32-700 Bochnia, Poland

Harmonised standard: EN 13165:2012+A2:2016

The system/s of AVCP: System 4

Notified body/ies: Notified laboratory no **1488** (ITB, Warszawa, PL); **2904** (Fire-Lab, Warszawa, PL)

Intended use/uses: thermal insulation products for buildings

Declared performances:

Essential characteristics	Performance	Values / classes					
		$(20 \leq d_N < 50 \text{ mm})$:		$(50 \leq d_N \leq 75 \text{ mm})$:		$(75 < d_N \leq 250 \text{ mm})$:	
Thermal resistance	Thickness tolerance, class	$\pm 2 \text{ mm, T2}$		$\pm 3 \text{ mm, T2}$		$+5/-3 \text{ mm, T2}$	
	Thermal conductivity, λ_D	$(20 \leq d_N < 80 \text{ mm})$: 0,027 [W/m·K]		$(80 \leq d_N < 120 \text{ mm})$: 0,026 [W/m·K]		$(120 \leq d_N \leq 250 \text{ mm})$: 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					
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability of reaction to fire of the product as placed on the market	NPD; <i>The fire performance of PIR does not deteriorate with time (acc. EN 13165+A2)</i>					
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal conductivity, λ_D agged values	$(20 \leq d_N < 80 \text{ mm})$: 0,027 [W/m·K]		$(80 \leq d_N < 120 \text{ mm})$: 0,026 [W/m·K]		$(120 \leq d_N \leq 250 \text{ mm})$: 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						
Deformation under specified compressive load and temper. condition	NPD						
Compressive strength	Compressive stress, σ_{10}	$\geq 120 \text{ kPa, CS(10/Y)120}$					
Tensile strength	Tensile strength perpendicular to faces	NPD					
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; <i>European test methods are under development for this characteristic.</i>					
Continuous glowing combustion		NPD; <i>European test methods are under development for this characteristic.</i>					

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.

"GÓR-STAL" Sp. z o.o.
 38-300 Gorlice, ul. Przemysłowa 11
 tel. 018 353 98 00
 REGON 852712117 NIP 738-19-45-154

GŁÓWNY TECHNOLOG
Bartłomiej Bochnia