

DECLARATION OF PERFORMANCE

No N.AL/R-eco/3

Unique identification code of the product type: [No DoP] - termPIR AL | 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 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					
		$(20 \leq d_N < 50 \text{ mm})$:		$(50 \leq d_N \leq 75 \text{ mm})$:		$(75 < d_N \leq 250 \text{ mm})$:	
Thermal resistance	Thickness tolerance, class	$\pm 2 \text{ mm, T2}$		$\pm 3 \text{ mm, T2}$		$+5/-3 \text{ mm, T2}$	
	Thermal conductivity, λ_D	$(20 \leq d_N \leq 250 \text{ mm})$: 0,022 [W/m·K]					
	Thermal resistance, R_D [m ² ·K/W]	20 mm: 0,90	30 mm: 1,35	40 mm: 1,85	50 mm: 2,30	60 mm: 2,75	70 mm: 3,25
		80 mm: 3,70	90 mm: 4,15	100 mm: 4,65	110 mm: 5,10	120 mm: 5,55	130 mm: 6,05
140 mm: 6,50		150 mm: 6,95	160 mm: 7,45	170 mm: 7,90	180 mm: 8,35	190 mm: 8,85	
	200 mm: 9,30	210 mm: 9,75	220 mm: 10,2	230 mm: 10,7	240 mm: 11,1	250 mm: 11,6	
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	$(20 \leq d_N \leq 250 \text{ mm})$: 0,022 [W/m·K]					
	Thermal resistance, R_D [m ² ·K/W] agged values (for thickness d_N)	20 mm: 0,90	30 mm: 1,35	40 mm: 1,85	50 mm: 2,30	60 mm: 2,75	70 mm: 3,25
		80 mm: 3,70	90 mm: 4,15	100 mm: 4,65	110 mm: 5,10	120 mm: 5,55	130 mm: 6,05
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	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; European test methods are under development for this characteristic.					
Continuous glowing combustion		NPD; European test methods are under development for this characteristic.					

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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