

DECLARATION OF PERFORMANCE

No N.BWS/19

Unique identification code of the product type: [No DoP] - **termPIR BWS** | d_N [**20-250**] | 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 Mitey 9; 32-700 Bochnia, Poland
Harmonised standard: EN 13165:2012+A2:2016
The system/s of AVCP: System 3 and 4
Notified body/ies: Notified laboratory no **1488** (ITB, 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	$(20 \leq d_N < 50 \text{ mm})$: $\pm 2 \text{ mm, T2}$		$(50 \leq d_N \leq 75 \text{ mm})$: $\pm 3 \text{ mm, T2}$		$(75 < d_N \leq 250 \text{ mm})$: $+5/-3 \text{ mm, T2}$							
	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 (20-49 mm) Class E - side WS, Class F - side BT (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; <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	$(20 \leq d_N < 50 \text{ mm})$: DS(70;-)2 $(50 \leq d_N \leq 250 \text{ mm})$: DS(70;90)2										
		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>											
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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GLÓWNY TECHNOLOG
Barthomiej Bochnia

Bochnia, 01.01.2025
 place and date of issue

signature and seal of the authorized person