

DECLARATION OF PERFORMANCE

No N.ETX/18

Unique identification code of the product type: [No DoP] - termPIR ETX | 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 Mityery 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); 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 (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	$(20 \leq d_N < 80 \text{ mm})$: 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,-)1		$(50 \leq d_N \leq 250 \text{ mm})$: DS(-20,-)2 / DS(70,90)3					
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	$(20 \leq d_N < 50 \text{ mm})$: NPD		$(50 \leq d_N \leq 250 \text{ mm})$: $\geq 80 \text{ kPa}$, TR80				
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, μ	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.						
Shear behaviour	-	$(20 \leq d_N < 50 \text{ mm})$:		$(50 \leq d_N \leq 120 \text{ mm})$:		$(120 < d_N \leq 250 \text{ mm})$:		
	Shear strength	NPD		$\geq 20 \text{ kPa}$, SS 20		NPD		
	Shear modulus	NPD		$\geq 1000 \text{ kPa}$, SM 1000		NPD		

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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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