

DECLARATION OF PERFORMANCE

No termPIR/WS/17

Unique identification code of the product type: [nr DoP] termPIR WS | 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 Mityry 9; 32-700 Bochnia, Poland

Harmonised standard: EN 13165:2012+A2:2016

The system/s of AVCP: 3

Notified body/ies: Notified laboratory no 1488 (ITB, Warszawa, PL) make tests reports for: reaction to fire, thermal conductivity, thermal resistance and compressive stress; 1454 (IMBiGS, Katowice, PL) make tests reports for flatness after one-sided wetting

Intended use/uses: thermal insulation products for buildings; (internal use acc. to EPBD, Belgium)

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)		Klasa F for (20-49 mm) Klasa E for (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 aged 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] aged 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}	$\geq 120 \text{ kPa, CS(10/Y)120}$					
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	$\leq 10 \text{ mm / FW2}$					
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.					

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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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GŁÓWNY TECHNOLOG

Bartłomiej Bochnia

Bochnia, 12.02.2024 r.
 place and date of issue

signature and seal of the authorized person