

DECLARATION OF PERFORMANCE

No termPIR/AL/15



Unique identification code of the product type: termPIR AL | d_N [20-250] | type of edges [FIT, LAP, TAG]

Manufacturer: GóR-Stal sp. z o.o.; ul. Przemysłowa 11; 38-300 Gorlice, Poland / Place of manufacture: GóR-Stal; ul. Adolfa Mitery 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 and long term water absorption.

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		$(75 < d_N \leq 250 \text{ mm})$: $\pm 5/-3 \text{ mm}$, T2		
	Thermal conductivity, λ_D	for $(20 \leq d_N \leq 250 \text{ mm})$: 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 (<i>of the product as placed on the market</i>)		$(20 \leq d_N < 50 \text{ mm})$: Class F		$(50 \leq d_N \leq 250 \text{ mm})$: Class E				
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 aged values	for $(20 \leq d_N \leq 250 \text{ mm})$: 0,022 [W/m·K]						
	Thermal resistance, R_D [m ² ·K/W] aged values (<i>for thickness d_N</i>)	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			
	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.	NPD							
Compressive strength	Compressive stress, σ_{10}	$(20 \leq d_N < 30 \text{ mm})$: $\geq 120 \text{ kPa}$, CS(10/Y)120		$(30 \leq d_N \leq 250 \text{ mm})$: $\geq 150 \text{ kPa}$, CS(10/Y)150				
Tensile strength	Tensile strength perpendicular to faces	$(20 \leq d_N \leq 130 \text{ mm})$: $\geq 80 \text{ kPa}$, TR80			$(130 < d_N \leq 250 \text{ mm})$: $\geq 40 \text{ kPa}$, TR40			
Durability of compressive strength against ageing/degradation	Compressive creep	NPD						
Water permeability	Long term water absorption	$\leq 2 \%$ [kg/kg] / WL(T)2						
	Short term water absorption	NPD						
	Flatness after one-sided wetting	$\leq 10 \text{ mm}$ / FW2						
Water vapour permeability	Water vapour transmission	for 20 mm: $Z = 6,3$ [m ² ·h·Pa/mg]; for 250 mm: 89,6 [m ² ·h·Pa/mg] / Z 5-100						
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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GŁÓWNY TECHNOLOG

Bartłomiej Bochnia

Bochnia, 06.07.2020 r.

place and date of issue

signature and seal of the authorized person