DECLARATION OF PERFORMANCE

No termPIR/AL/16

CE 16

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	*($20 \le d_N < 50$ mm):* ± 2 mm, T2		*($50 \le d_N \le 75$ mm):* ± 3 mm,T2		*($75 < d_N \le 250$ mm):* +5/-3 mm, T2	
	Thermal conductivity, λ_D	*for ($20 \le d_N \le 250$ 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 for ($20 \le dN < 50$ mm)*		*Class E for ($50 \le dN \le 250$ 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	*for ($20 \le d_N \le 250$ 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**
		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	*($20 \le d_N < 50$ mm):* DS(70,-)1		*($50 \le d_N \le 250$ mm):* DS(-20,-)2 / DS(70,90)3			
	Deformation under specified compressive load and temper.	NPD					
Compressive strenght	Compressive stress, σ_{10}	*($20 \le d_N < 30$ mm):* ≥ 120 kPa, CS(10/Y)**120**		*($30 \le d_N < 140$ mm):* ≥ 150 kPa, CS(10/Y)**150**		*($140 \le d_N \le 250$ mm):* ≥ 140 kPa, CS(10/Y)**140**	
Tensile strength	Tensile strength perpendicular to faces	(20 ≤ dN ≤ 130 mm): ≥ 80 kPa, TR**80**			(130 < dN ≤ 250 mm): ≥ 40 kPa, TR**40**		
Durability of compressive strenght against ageing/degradation	Compressive creep	NPD					
Water permeability	Long term water absorption	≤ 2 % [kg/kg] / WL(T)**2**					
	Short term water absorption	NPD					
	Flatness after one-sided wetting	≤ 10 mm / FW**2**					
Water vapour permeability	Water vapour transmission	*for 20 mm:* Z = 6,3 [m2·h·Pa/mg]; *for 250 mm:* 89,6 [m2·h·Pa/mg] / Z 5-100					
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.*					
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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place and date of issue

signature and seal of the authorized person