

DECLARATION OF PERFORMANCE

No termPIR/AgroP/13



Unique identification code of the product-type: termPIR AGRO P 20-250, type of edges

Manufacturer: Gór-Stal sp. z o.o.; ul. Przemysłowa 11; 38-300 Gorlice, Poland / Place of manufacture: Gór-Stal sp. z o.o.; ul. Adolfa Mitery 9; 32-700 Bochnia, Poland

Harmonised standard: EN 13165:2012+A2:2016

The system/s of AVCP: 3 and 4

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	for (20 ≤ d _N < 50 mm): ± 2 mm, T2		for (50 ≤ d _N ≤ 120 mm): ± 3 mm, T2		for (120 < d _N ≤ 250 mm): +5/-3 mm, T2	
	Thermal conductivity, λ _D	for (20 ≤ d _N ≤ 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)		Classe F					
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	for (20 ≤ d _N ≤ 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
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	Durability characteristics	NPD					
Dimensional stability	for (20 ≤ d _N < 50 mm): DS(70,-)1		for (50 ≤ d _N ≤ 250 mm): DS(-20,-)2 / DS(70,90)3				
Deformation under specified compressive load and temper. condition	NPD						
Compressive strenght	Compressive stress, σ ₁₀	≥ 120 kPa, CS(10/Y)120					
Tensile strength	Tensile strength perpendicular to faces	NPD					
Durability of compressive strenght against ageing/degradation	Compressive creep	NPD					
Water permeability	Long term water absorption	NPD					
	Short term water absorption	NPD					
	Flatness after one-sided wetting	≤ 10 mm / FW2					
Water vapour permeability	Water vapour transmission, μ	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.					
NPD: No Performance Determined							

Harmonised standard: EN 13165:2012+A2:2016

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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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DYREKTOR PRODUKCJI
Piotr Grzywa

Bochnia, dn. 12.05.2018
place and date of issue

signature and seal of the authorized person