

DECLARATION OF PERFORMANCE

No termPIR/AgroAL/14



Unique identification code of the product type: termPIR AGRO 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 Mitera 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: 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; **1487** (ICiMB, Kraków, PL) make tests reports for: reaction to fire

Intended use/uses: thermal insulation products for buildings

Declared performances:

essential characteristics	performance	values / classes					
Thermal resistance	Thickness tolerance, class	<i>for</i> (20 ≤ d _N < 50 mm): ± 2 mm, T2		<i>for</i> (50 ≤ d _N ≤ 120 mm): ± 3 mm, T2		<i>for</i> (120 < d _N ≤ 250 mm): +5/-3 mm, T2	
	Thermal conductivity, λ _D	(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 (<i>of the product as placed on the market</i>)	D-s2,d0 Class (EN 13501-1)						
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	(20 ≤ d _N ≤ 250 mm): 0,022 [W/m·K]					
	Thermal resistance, R _D [m ² ·K/W] agged 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
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		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 ≤ d _N < 50 mm): DS(70,-)1		(30 ≤ 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	(20 ≤ d _N < 30 mm): ≥ 120 kPa, CS(10/Y)120		(30 ≤ d _N ≤ 250 mm): ≥ 150 kPa, CS(10/Y)150			
Tensile strength	Tensile strength perpendicular to faces	NPD					
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 / FW2					
Water vapour permeability	Water vapour transmission, μ	NPD					
Acoustic absorption index	Sound absorption	NPD					
Release of dengerous 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.

" GÓR-STAL " Sp. z o.o.
 38-300 Gorlice, ul. Przemysłowa 11
 tel. 018 353 98 00
 REGON 852712117 NIP 738-19-45-154

GŁÓWNY TECHNOLOG
Bartłomiej Bochnia

Bochnia, dn. 10.09.2018
 place and date of issue

signature and seal of the authorized person