

DECLARATION OF PERFORMANCE

No /AgroAL-Ceil/2

Unique identification code of the product type: [nr DoP] **termPIR Agro AL Ceil** d_N [20-250] | type of edges [FIT, LAP, TAG] - lenght / 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: 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	for $(50 \leq d_N < 75 \text{ mm})$: $\pm 3 \text{ mm}$, T2				for $(75 < d_N \leq 250 \text{ mm})$: $+5/-3 \text{ mm}$, T2	
	Thermal conductivity, λ_D	$(50 \leq d_N \leq 250 \text{ mm})$: 0,022 [W/m·K]					
	Thermal resistance, R_D [m ² ·K/W]	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)	D-s2,d0 Class						
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	$(50 \leq d_N \leq 250 \text{ mm})$: 0,022 [W/m·K]					
	Thermal resistance, R_D [m ² ·K/W] agged values (for thickness d_N)	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	$(50 \leq d_N < 180 \text{ mm})$: DS(70,90)2				$(180 \leq d_N \leq 250 \text{ mm})$: NPD		
Deformation under specified compressive load and temper. condition	NPD						
Compressive strenght	Compressive stress, σ_{10}	$(50 \leq d_N \leq 250 \text{ mm})$: $\geq 120 \text{ kPa}$, 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	$\leq 2 \%$ [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, μ	NPD					
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.

GŁÓWNY TECHNOLOG

Bartłomiej Bochnia

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 place and date of issue

signature and seal of the authorized person