

## DECLARATION OF PERFORMANCE

N.I/ALu/1

**Unique identification code of the product type:** [nr DoP] IzoProofALu |  $d_N$ [20-250] | type of edges [FIT, LAP, TAG] - modular length/width

**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); **1454** (IMBiGS, Katowice, PL); **1487** (ICiMB, Kraków).

**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): ± 3 mm, T1		<i>for</i> (50 ≤ $d_N$ ≤ 75 mm): ± 4 mm, T1		<i>for</i> (75 < $d_N$ ≤ 250 mm): , +6, -4 mm, T1	
	Thermal conductivity, $\lambda_D$	<i>for</i> (20 ≤ $d_N$ ≤ 250 mm): <b>0,022</b> [W/m·K]					
Thermal resistance, $R_D$ [m <sup>2</sup> ·K/W]		20 mm: <b>0,90</b>	30 mm: <b>1,35</b>	40 mm: <b>1,85</b>	50 mm: <b>2,30</b>	60 mm: <b>2,75</b>	70 mm: <b>3,25</b>
		80 mm: <b>3,70</b>	90 mm: <b>4,15</b>	100 mm: <b>4,65</b>	110 mm: <b>5,10</b>	120 mm: <b>5,55</b>	130 mm: <b>6,05</b>
		140 mm: <b>6,50</b>	150 mm: <b>6,95</b>	160 mm: <b>7,45</b>	170 mm: <b>7,90</b>	180 mm: <b>8,35</b>	190 mm: <b>8,85</b>
		200 mm: <b>9,30</b>	210 mm: <b>9,75</b>	220 mm: <b>10,2</b>	230 mm: <b>10,7</b>	240 mm: <b>11,1</b>	250 mm: <b>11,6</b>
		45 mm: <b>2,05</b>	75 mm: <b>3,45</b>	115 mm: <b>5,35</b>	125 mm: <b>5,80</b>	135 mm: <b>6,25</b>	145 mm: <b>6,75</b>
Reaction to fire ( <i>of the product as placed on the market</i> )		Class F for (20-49 mm) Class E for (50-250 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; <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, $\lambda_D$ aged values	<i>for</i> (20 ≤ $d_N$ ≤ 250 mm): <b>0,022</b> [W/m·K]					
	Thermal resistance, $R_D$ [m <sup>2</sup> ·K/W] aged values ( <i>for thickness <math>d_N</math></i> )	20 mm: <b>0,90</b>	30 mm: <b>1,35</b>	40 mm: <b>1,85</b>	50 mm: <b>2,30</b>	60 mm: <b>2,75</b>	70 mm: <b>3,25</b>
		80 mm: <b>3,70</b>	90 mm: <b>4,15</b>	100 mm: <b>4,65</b>	110 mm: <b>5,10</b>	120 mm: <b>5,55</b>	130 mm: <b>6,05</b>
		140 mm: <b>6,50</b>	150 mm: <b>6,95</b>	160 mm: <b>7,45</b>	170 mm: <b>7,90</b>	180 mm: <b>8,35</b>	190 mm: <b>8,85</b>
		200 mm: <b>9,30</b>	210 mm: <b>9,75</b>	220 mm: <b>10,2</b>	230 mm: <b>10,7</b>	240 mm: <b>11,1</b>	250 mm: <b>11,6</b>
		45 mm: <b>2,05</b>	75 mm: <b>3,45</b>	115 mm: <b>5,35</b>	125 mm: <b>5,80</b>	135 mm: <b>6,25</b>	145 mm: <b>6,75</b>
Durability characteristics	NPD						
Dimensional stability	<i>for</i> (20 ≤ $d_N$ < 50 mm): DS(70,-)1	<i>for</i> (50 ≤ $d_N$ ≤ 250 mm): DS(-20,-)2 /DS(70,90)3					
Deformation under specified compressive load and temper. condition	NPD						
Compressive strength	Compressive stress, $\sigma_{10}$	≥ 120 kPa, CS(10/Y) <b>120</b>					
Tensile strength	Tensile strength perpendicular to faces	NPD					
Durability of compressive strength 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	NPD					
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>					

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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Bochnia, 21.05.2024 r.  
 place and date of issue

signature