

**DECLARATION
OF PERFORMANCE**

No termPIR/AL/10



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Product name:
Insulation Panel termPIR® AL
Description: Insulation panels with PIR core, double-sided panel lining is made of kraft paper covered with aluminium (AL)
 Type of edges: **FIT** (straight edges), **LAP** (overlap edges), **TAG** (tounge and groove)

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

Type parties, enabling the identification of the construction product in acc. with Article 11 (4) CPR: See product label

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 Mityery 9; 32-700 Bochnia, Poland

Harmonised standard: EN 13165:2012+A1:2015

The system of assessment and verification of constancy of: 3

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

The use of the construction product: thermal insulation products for buildings; (internal use acc. to EPBD, Belgium)

Declared performance:

parameters	value of parameters						classification acc.
Thickness (class T2)	$20 \leq d_N < 50 \text{ mm } (\pm 2 \text{ mm})$ $50 \leq d_N \leq 75 \text{ mm } (\pm 3 \text{ mm})$ $75 < d_N \leq 250 \text{ mm } (+5/-3 \text{ mm})$						EN 823
Length	2,4 m ($\pm 10 \text{ mm}$); 1,2 m ($\pm 7,5 \text{ mm}$); 0,6 m ($\pm 5 \text{ mm}$)						EN 822
Width	1,2 m ($\pm 7,5 \text{ mm}$)						EN 1602
Density	30 kg/m ³ (+6/-2 kg/m ³)						EN 13501-1
Reaction to fire	Class E (single product); B-s2,d0 (with trapezoidal metal sheet)						EN 13501-1
Thermal conductivity	$(20 \leq d_N \leq 250 \text{ mm})$ $\lambda_D = 0,022 \text{ W/m}\cdot\text{K}$						EN 12667 EN ISO 10456 EN 13165+A1
Thermal resistance R_D [m ² ·K/W]	(20 mm)	(30 mm)	(40 mm)	(50 mm)	(60 mm)	(70 mm)	
	0,90	1,35	1,85	2,30	2,75	3,25	
	(80 mm)	(90 mm)	(100 mm)	(110 mm)	(120 mm)	(130 mm)	
	3,70	4,15	4,65	5,10	5,55	6,05	
	(140 mm)	(150 mm)	(160 mm)	(170 mm)	(180 mm)	(190 mm)	
	6,50	6,95	7,45	7,90	8,35	8,85	
	(200 mm)	(210 mm)	(220 mm)	(230 mm)	(240 mm)	(250 mm)	
	9,30	9,75	10,2	10,7	11,1	11,6	
Tensile strength	$\geq 40 \text{ kPa} / \text{TR } 40$						EN 1607
Compressive stress	$\sigma_{10} \geq 120 \text{ kPa} / \text{CS}(10/Y)120$						EN 826
Flatness after one-sided wetting	$\leq 10 \text{ mm} / \text{FW}2$						EN 825
Water vapour transmission	$\mu = 240 \pm 35 / \text{MU } 205-275$						EN 12086
Dimensional stability	(for $50 \leq d_N \leq 250 \text{ mm}$): DS(-20,-)2 / DS(70,90)3						EN 1604
All other characteristics of annex ZA.1 of EN 13165:2012+A1:2015: NPD							

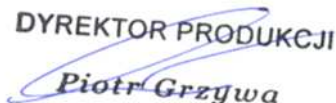
EN 13165:2012+A1:2015

Additional parameters / beyond requirements and range of EN 13165 standard ad CE marking:

Long term water absorption	$\leq 2,0 \%$ [kg/kg]	EN 12087
Fire resistance	REI 20 (for $d_N \geq 120 \text{ mm}$) - details in the classification	EN 13501-2
External fire performance	Broof (t1) for $d_N \geq 50 \text{ mm}$ - details in the classification	EN 13501-5

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.
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 REGON 852712117 NIP 738-19-45-154

 DYREKTOR PRODUKCJI

 Piotr Grzgwia

Bochnia, dn. 24.04.2017

place and date of

signature and seal of the authorized person