

DECLARATION OF PERFORMANCE

No TH FLOOR/2023/1

1. **Unique identification code of the product-type:** THERMANO FLOOR PIR rigid foam panels in gas-tight laminate cladding with aluminum <d_N>
2. **Intended use:** Thermal insulation for buildings
3. **Manufacturer:** BALEX METAL Sp. z o.o., ul. Wejherowska 12C, 84-239 Bolszewo
4. **System of Assessment and Verification of Constancy of Performance:** 3
5. **Harmonised standard:** EN 13165:2012+A2:2016
6. **Notified body:** Instytut Techniki Budowlanej (No 1488)
7. **Declared performances:** Table 1, Table 2

Designations:

NPD – No Performance Determined

<d_N> - nominal panel thickness

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Chief Executive Officer



Bolszewo, 11.07.2023

Marek Dzikiewicz

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Table 1. Performances

Essential characteristics		Performances	
Thermal resistance	Nominal thickness d_N [mm, thickness tolerance class]	Table 2	
	Thermal resistance R_D [m^2K/W]		
	Thermal conductivity coefficient λ_D [$W/(mK)$]		
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance R_D [m^2K/W]	Table 2	
	Thermal conductivity coefficient λ_D [$W/(mK)$]		
	Durability characteristics R_D i λ_D		Thermal resistance R_D [m^2K/W]
			Thermal conductivity coefficient λ_D [$W/(mK)$]
	Determination of the aged values of thermal resistance and thermal conductivity λ_D [W/mK]		
	Dimensional stability DS		DS(70,90)2 DS(-20,-)2
Deformation under specified compressive load and temperature conditions DLT		NPD	
Reaction to fire	Euroclass	F	
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability of reaction to fire	F	
Continuous glowing combustion	Continuous glowing combustion	NPD	
Compressive strength	Compressive stress or compressive strength CS	CS(10/Y)150	
Durability of compressive strength against ageing/degradation	Compressive creep CC	NPD	
Tensile strength	Tensile strength perpendicular to faces TR	TR60	
Water permeability	Flatness after one side wetting FW	FW2	
	Long term water absorption W_{lt}	2	
Water vapour permeability	Water vapour transmission MU and/or Z	NPD	
Acoustic absorption index	Sound absorption coefficient AP and AW	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD	

Table 2. Performances

Nominal thickness d_N [mm]	Thickness tolerance [klasa]	Thermal conductivity coefficient λ_D [$W/(mK)$]	Thermal resistance R_D [m^2K/W]
20	T1	0,023	0,85
30	T1	0,023	1,30
40	T1	0,023	1,70
50	T1	0,023	2,15
60	T1	0,023	2,60
75	T1	0,023	3,25
80	T1	0,023	3,45
100	T1	0,022	4,55
120	T1	0,022	5,45
130	T1	0,022	5,90
150	T1	0,022	6,80