

DECLARATION OF PERFORMANCE
No THERMANO/2024/2

1. Unique identification code of the product-type:	THERMANO ROOF <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 bodies:	Instytut Techniki Budowlanej (no 1488), Polskie Centrum Badań i Certyfikacji S.A. (no 1434), Fire-Lab Sp. z o.o. (no 2904)
7. Declared performances:	Table 1, Table 2

Designations:

NPD - No Performance Determined
d_N - nominal panel thickness [mm]

Table 1. Performances

Nominal thickness d _N [mm]	Thickness tolerance [class]	Thermal conductivity λ _D [W/mK]	Thermal resistance R _D [m ² K/W]	Compressive strength
30	T2	0,023	1,30	CS(10\Y)150
40	T2	0,023	1,70	CS(10\Y)200
50	T2	0,023	2,15	CS(10\Y)200
60	T2	0,023	2,60	CS(10\Y)200
70	T2	0,023	3,00	CS(10\Y)200
75	T2	0,023	3,25	CS(10\Y)200
80	T2	0,023	3,45	CS(10\Y)200
90	T2	0,023	3,90	CS(10\Y)200
100	T2	0,023	4,30	CS(10\Y)200
110	T2	0,023	4,75	CS(10\Y)200
120	T2	0,023	5,20	CS(10\Y)200
125	T2	0,023	5,40	CS(10\Y)200
130	T2	0,023	5,65	CS(10\Y)200
140	T2	0,023	6,05	CS(10\Y)200
150	T2	0,023	6,50	CS(10\Y)200
160	T2	0,023	6,95	CS(10\Y)200

DECLARATION OF PERFORMANCE
No THERMANO/2024/2

Table 2. Performances

Essential characteristics	Performances	
Thermal resistance	Nominal thickness d_N [mm, thickness tolerance class]	Table 1
	Thermal resistance R_D [m^2K/W]	
	Thermal conductivity coefficient λ_D [W/mK]	
Durability of thermal resistance against heat, wheathering, ageing/degradation	Thermal resistance R_D [m^2K/W]	
	Thermal conductivity coefficient λ_D [W/mK]	
	Durability characteristics R_D and 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	
	Deformation under specified compressive load and temperature conditions DLT	
Reaction to fire	Euroclass	E
Durability of reaction to fire against heat, wheathering, ageing/degradation	Durability of reaction to fire	E
Continuous glowing combustion	Continuous glowing combustion	NPD
Compressive strength	Compressive stress or compressive strength CS	Table 1
Durability of compressive strength against ageing/degradation	Compressive creep CC	NPD
Tensile strength	Tensile strength perpendicular to faces TR	TR100
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

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, 04.12.2024

Marek Dzikiewicz


PALEXMETAL Sp. z o.o.
81-209 Bolszewo, ul. Wejherowska 12C
tel. 58 778-44-44, fax 58 778-44-55
NIP 568-11-30-299
Regon 19112216