

DECLARATION OF PERFORMANCE
No THERMANO DECK/2024/1

1. Unique identification code of the product-type:	THERMANO DECK <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 (nr 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 CS	Tensile strength TR
30	T1	0,023	1,30	CS(10\Y)150	TR70
40	T1	0,023	1,75	CS(10\Y)150	TR70
50	T1	0,023	2,20	CS(10\Y)150	TR70
60	T1	0,023	2,60	CS(10\Y)150	TR70
70	T1	0,023	3,05	CS(10\Y)150	TR70
75	T1	0,023	3,25	CS(10\Y)150	TR70
80	T1	0,023	3,50	CS(10\Y)150	TR70
90	T1	0,023	3,90	CS(10\Y)150	TR70
100	T1	0,022	4,55	CS(10\Y)150	TR70
110	T1	0,022	5,00	CS(10\Y)150	TR70
120	T1	0,022	5,45	CS(10\Y)150	TR70
125	T1	0,022	5,65	CS(10\Y)150	TR70
130	T1	0,022	5,90	CS(10\Y)150	TR70
135	T1	0,022	6,15	CS(10\Y)150	TR70
140	T1	0,022	6,35	CS(10\Y)150	TR70
145	T1	0,022	6,60	CS(10\Y)150	TR70
150	T1	0,022	6,80	CS(10\Y)150	TR70
160	T1	0,022	7,25	CS(10\Y)150	TR70
170	T1	0,022	7,70	CS(10\Y)120	TR40
180	T1	0,022	8,20	CS(10\Y)120	TR40
190	T1	0,022	8,65	CS(10\Y)120	TR40
200	T1	0,022	9,10	CS(10\Y)120	TR40

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Table 2. Performances

Essential characteristics	Performances			
Thermal resistance	Nominal thickness d_N [mm, thickness tolerance class]			
	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]	Table 1	
		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,-)1
	Deformation under specified compressive load and temperature conditions DLT			NPD
Reaction to fire	Euroclass			
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability of reaction to fire			
Continuous glowing combustion	Continuous glowing combustion			
Compressive strength	Compressive stress or compressive strength CS			
Durability of compressive strength against ageing/degradation	Compressive creep CC			
Tensile strength	Tensile strength perpendicular to faces TR			
Water permeability	Flatness after one side wetting FW			
	Long term water absorption W_{lt}			
	Water vapour permeability			
Water vapour permeability	Water vapour transmission MU and/or Z			
Acoustic absorption index	Sound absorption coefficient AP and AW			
Release of dangerous substances to the indoor	Release of dangerous substances			

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, 27.03.2024

Marek Dzikiewicz