

DECLARATION OF PERFORMANCE
No TH COMPACT/2024/1

1. Unique identification code of the product-type:	THERMANO COMPACT <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

Essential characteristics	Performances	
Thermal resistance	Nominal thickness d _N [mm, thickness tolerance class]	Table 2
	Thermal resistance R _D [m ² K/W]	
	Thermal conductivity coefficient λ _D [W/mK]	
Durability of thermal resistance against heat, wheathering, ageing/degradation	Thermal resistance R _D [m ² K/W]	
	Thermal conductivity coefficient λ _D [W/mK]	
	Durability characteristics R _D and λ _D	
	Thermal resistance R _D [m ² K/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, weathering, ageing/degradation	Durability of reaction to fire	E
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	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

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Table 2. Performances

Nominal thickness d_N [mm]	Thickness tolerance [class]	Thermal conductivity λ_D [W/mK]	Thermal resistance R_D [m ² K/W]
20	T2	0,023	0,85
30	T2	0,023	1,30
40	T2	0,023	1,70
50	T2	0,023	2,15
60	T2	0,023	2,60
70	T2	0,023	3,00
75	T2	0,023	3,25
80	T2	0,023	3,45
90	T2	0,023	3,90
100	T2	0,023	4,30
110	T2	0,023	4,75
120	T2	0,023	5,20
125	T2	0,023	5,40

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



Marek Dzikiewicz

Bolszewo, 27.08.2024


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