

DECLARATION OF PERFORMANCE
No. TH ALU/2023/1

1. Unique identification code of the product-type:	THERMANO ALU <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 AVCP	3
5. Harmonised standard:	EN 13165:2012+A2:2016
6. Notified bodies:	Instytut Techniki Budowlanej (no. 1488), 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]

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, 12.12.2023

Marek Dzikiewicz

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Table 1. Performances

Essential characteristics	Performances			
Thermal resistance	Nominal thickness d_N [mm, thickness tolerance class]			
	Thermal resistance R_D [m ² K/W]			
	Thermal conductivity coeff. λ_D [W/mK]			
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance R_D [m ² K/W]			
	Thermal conductivity coeff. λ_D [W/mK]			
	Durability characteristics R_D and λ_D	Thermal resistance R_D [m ² K/W]	Table 2.	
		Thermal conductivity coeff. 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	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)200		
Durability of compressive strength against ageing/degradation	Compressive creep CC	NPD		
Tensile strength	Tensile strength perpendicular to faces TR	TR70		
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 [class]	Thermal conductivity coeff. λ_D [W/mK]	Thermal resistance R_D [m ² K/W]
40	T1	0,023	1,70
50	T1	0,023	2,15
60	T1	0,023	2,60
80	T1	0,023	3,45
100	T1	0,023	4,35