

**DECLARATION OF PERFORMANCE**  
**No. TH FIBER/2023/1**

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<b>1. Unique identification code of the product-type:</b>	THERMANO FIBER <d <sub>n</sub> >
<b>2. Intended use:</b>	Thermal insulation for buildings
<b>3. Manufacturer:</b>	BALEX METAL Sp. z o.o., ul. Wejherowska 12C, 84-239 Bolszewo
<b>4. System of AVCP</b>	3
<b>5. Harmonised standard:</b>	EN 13165:2012+A2:2016
<b>6. Notified bodies:</b>	Instytut Techniki Budowlanej (no. 1488)
<b>7. Declared performances:</b>	Table 1, Table 2

**Designations:**

NPD - No Performance Determined

<d<sub>N</sub>> - 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



**Marek Dzikiewicz**

**Bolszewo, 12.12.2023**

**BALEX METAL Sp. z o.o.**  
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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 <sup>2</sup> K/W]			
	Thermal conductivity coeff. $\lambda_D$ [W/mK]			
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance $R_D$ [m <sup>2</sup> K/W]			
	Thermal conductivity coeff. $\lambda_D$ [W/mK]			
	Durability characteristics $R_D$ and $\lambda_D$	Thermal resistance $R_D$ [m <sup>2</sup> K/W]	Table 2.	
		Thermal conductivity coeff. $\lambda_D$ [W/mK]		
	Determination of the aged values of thermal resistance and thermal conductivity $\lambda_D$ [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)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			
	Long term water absorption $W_{lt}$			
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. $\lambda_D$ [W/mK]	Thermal resistance $R_D$ [m <sup>2</sup> K/W]
40	T1	0,028	1,40
50	T1	0,028	1,75
60	T1	0,028	2,10
80	T1	0,027	2,95
100	T1	0,027	3,70