



## DECLARATION OF PERFORMANCE

No. TH FLOOR/2022/1

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1. **Unique identification code of the product-type:** Thermal insulation boards with polyisocyanurate (PIR) foam core Thermano FLOOR dn: 20, 30, 40, 50, 75, 80, 100, 120, 130, 150.
2. **Intended use/es:** Thermal insulation for buildings
3. **Manufacturer:** BALEX METAL sp. z o.o., Wejherowska 12C, 84-239 Bolszewo
4. **System for assessment and verification of functional properties stability:** 3
5. **Harmonised standard:** EN 13165:2012+A2:2016
6. **Notified body/ies:** Instytut Techniki Budowlanej (no. 1488), Polskie Centrum Badań i Certyfikacji (no. 1434)
7. **Declared performance/s:** Table 1, Table 2

Symbols:

NPD – No Performance Determined

The performance of the product identified above is in conformity with the 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 in the name of the manufacturer by:

Chief Executive Officer

Marek Dzikiewicz

Bolszewo, 1.09.2022

 **BALEXMETAL** Sp. z o.o.  
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**Table 1: Performances**

Essential characteristics	Performances	
Thermal resistance	Nominal thickness $d_N$ [mm]	
	Classes for thickness tolerances [-]	
	Thermal resistance $R_D$ [m <sup>2</sup> K/W]	
	Heat conductivity coefficient $\lambda_D$ [W/(mK)]	
Durability of thermal resistance against heat, weathering, ageing/degradation	Durability of thermal resistance and thermal conductivity	
	Dimensional stability DS under specified temperature and humidity [Level]	DS(70,90)
		DS(-20,-)
Deformation under specified compressive load and temperature conditions		
Reaction to fire	Reaction to fire [Euroclasses]	F
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability of reaction to fire	The reaction to fire performance does not change with time
Continuous glowing combustion	Continuous glowing combustion	No harmonised test method
Compressive strength	Compressive stress or compressive strength [Level]	CS(10/Y)150
Durability of compressive strength against ageing/degradation	Compressive creep CC [Level]	NPD
Tensile strength	Tensile strength perpendicular to faces TR [Level]	TR60
Water permeability	Flatness after one-sided wetting [Level]	
	Long term water absorption $W_{lt}$ [%]	
Water vapour permeability	Water vapour resistance Z [m <sup>2</sup> hPa/mg]	NPD
Sound absorption	Weighted sound absorption coefficient $\alpha_w$ [-]	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	No harmonised test method

**Table 2: Performances**

Nominal thickness $d_N$ [mm]	Class for thickness tolerance [Class]	Thermal conductivity coefficient $\lambda_D$ [W/(mK)]	Thermal resistance $R_D$ [m <sup>2</sup> K/W]
20	T1	0,023	0,85
30	T1	0,023	1,30
40	T1	0,023	1,70
50	T1	0,023	2,15
75	T1	0,023	3,25
80	T1	0,023	3,45
100	T1	0,022	4,55
120	T1	0,022	5,45
130	T1	0,022	5,90
150	T1	0,022	6,80