

THE DECLARATION OF PERFORMANCE

Nr 21/2025/EPS 400

1. Unique product type identification code: **EPS 400 SYSTEM BOARDS**
2. Description code: **EPS 400, EPS 400 ALU, EPS 400 ALU FC**
3. Intended use or uses: **Thermal insulation in construction in underfloor heating systems**
4. Producer: **TiA Sp. z o.o. ul. Głęboka 34, 37-200 Przeworsk**
5. Name and address of the registered office of the authorized representative, if authorized: **Not applicable**
6. The system of assessment and verification of constancy of performance: **3**
7. Technical specification:
 - Harmonized standard: **EN 13163: 2012+ A1: 2015 Products for thermal insulation in construction.**
 - Name of the accredited certification body, accreditation number and national certificate number or name of accredited laboratory / laboratories and accreditation number:
Sieć Badawcza Łukasiewicz - Instytut Mechanizacji Budownictwa i Górnictwa Skalnego, ul. Racjonalizacji 6/8, 02-673 Warszawa, Oddział Zamiejscowy w Katowicach, Al. W.Korfantego 193A, 40-157 Katowice. Notified body No. 1454.
8. Declared useful properties:

Essential characteristic	Useful properties	Harmonized technical specification EN 13163:2012 + A1:2015
Thermal conductivity λ_D ,	$\lambda_{20} = 0,0333 \text{ W/mK}$	Point 4.2.1
Thermal resistance R_D for dN : D =20 mm / T	$R_{25} = 0,624 \text{ m}^2\text{K/W}$	Point 4.2.1
Fire reaction class (RtF)- Euroklasa	E	Point 4.2.6
Durability of reaction to fire as a function of heat , weather conditions , aging and degradation	It does not change over time	Point 4.2.7
Durability of thermal resistance as a function of heat, atmospheric conditions, aging and degradation -Thermal conductivity: D = 20 mm/ T1 -Thermal resistance: D = 20 mm/ T1 -Durability of properties	$\lambda_{20} = 0,0333 \text{ W/mK}$ $R_{20} = 0,624 \text{ m}^2\text{K/W}$ It does not time over time	Point 4.2.1 Point 4.2.1 Point 4.2.7
Compressive strength. kPa	CS(10) 400	Point 4.3.4
Tensile strength / bending strength	NPD	Point 4.3.5
Flexural strength-Tensile strength perpendicular to the faces	NPD	Point 4.3.6
Durability of compressive strength as a function of aging and degradation: - creep when squeezing - resistance to freezing - defrosting, testing - long-term thickness reduction	NPD NPD NPD	Point 4.3.8 Point 4.3.12 Point 4.3.15.5
Water absorption with prolonged immersion	NPD	Point 4.3.11.1
Water absorption with long-term diffusion of WDV	NPD	Point 4.3.11.2
Water vapor permeability	NPD	Point 4.3.13
The indicator of airborne sound insulation transmitted directly: - dynamic stiffness, SB - thickness d_L - compressibility, c, CP	NPD NPD NPD	Point 4.3.14 Point 4.3.15.2 Point 4.3.15.4
Continuous burning as a glow function	NPD	Point 4.3.18
Release of dangerous substances into the internal environment	NPD	Point 4.3.19

9. The performance of the product identified above is in accordance with the set of declared performance. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

On behalf of the manufacturer, he signed

Przeworsk, 2025.01.06



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TiA Sp. z o.o.
Prezes Zarządu
[Signature]
Tomasz Ślania