



**THERMOPLASTIKI**

## DECLARATION OF PERFORMANCE

No. 05.005 – 305/11/EU – 31/July/2024

### Expanded Polystyrene EPS

1. Unique identification code of the product type: **EPS 200 feliblok**
  2. Intended use: **Buildings thermal insulation & External thermal insulation applications**
  3. Manufacturer: **THERMOPLASTIKI S.A.** Amigdaleonas, Kavala  
P.C. 64012
  4. Authorised representative: **Not applicable**
  5. AVCP Systems (evaluation and confirmation of performance stability): **3**
  6. Harmonised Standard: **EN 13163:2012, EN 14309:2015** and meet the requirements of **EAD 040083-00-0404** (according to the **CERTIFICATE: 506936 THERM/DQS/2024-07-17**)
- Notified laboratory: **IMBiGS, Notified Body: 1454**
7. Declared performance/s:

Essential Characteristics	Performance		Testing standards	
Compressive stress	$\sigma_{10}$ (kPa)	200	EN 13163	EN 826
Bending resistance	$\sigma_b$ (kPa)	250		EN 12089
Shear stress	$\tau$ (kPa)	125		EN 12090
Tensile strength	$\sigma_{mt}$ (kPa)	200		EN 1607
Thermal conductivity	$\lambda_D$ (W/mK)	0.033		EN 12667 or EN 12939
Thermal resistance	R (m <sup>2</sup> K/W)	Table1		EN 16036
Dimensional stability	DS(N)%	≤0.5%		EN 1602
Density	$\rho$ (kg/m <sup>3</sup> )	≥30		EN 12086
Water vapour diffusion resistance $\mu$		60 - 100		EN 13501
Reaction to fire		E		
Hazardous substances release	npd			



**THERMOPLASTIKI**

TABLE 1

Thickness	Thermal resistance R (m <sup>2</sup> K/W)	Thickness	Thermal resistance R (m <sup>2</sup> K/W)
20mm	0.60	60mm	1.81
30mm	0.90	70mm	2.12
40mm	1.21	80mm	2.42
50mm	1.51	100mm	3.03

7. Appropriate technical documentation and/or specific technical documentation: **The technical requirements and the performance of the products are documented in products' Technical Documentation and in the Company's Technical Brochures.**

The performance of the product identified above is in conformity with the set of declared performance/s. 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:

Despoina Germanidou, Products Certification Manager

Amigdaleonas, Kavala,

31-07-2024