

**THERMOPLASTIKI**

DECLARATION OF PERFORMANCE

No. 05.010 – 305/11/EU – 25/October/2022

Graphite Expanded Polystyrene EPS

1. Unique identification code of the product type: **EPS 100 feliblok plus**
 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/2022-06-30**)
- Notified laboratory: **IMBiGS, Notified Body: 1454**
7. Declared performance/s:

Essential Characteristics	Performance		Testing standards	
Compressive stress	σ_{10} (kPa)	100	EN 13163	EN 826
Bending resistance	σ_b (kPa)	150		EN 12089
Shear stress	τ (kPa)	75		EN 12090
Tensile strength	σ_{mt} (kPa)	200		EN 1607
Thermal conductivity	λ_D (W/mK)	0.030		EN 12667 or EN 12939
Thermal resistance	R (m ² K/W)	Table1		
Dimensional stability	DS(N)%	≤0.5%		EN 16036
Density	ρ (kg/m ³)	≥19		EN 1602
Water vapour diffusion resistance μ		30 - 70		EN 13163
Reaction to fire		E		EN 13501
Hazardous substances release	npd			



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TABLE 1

Thickness	Thermal resistance R (m ² K/W)	Thickness	Thermal resistance R (m ² K/W)
20mm	0,66	80mm	2,66
30mm	1,00	100mm	3,33
40mm	1,33	120mm	4,00
50mm	1,67	140mm	4,67
60mm	2,00	150mm	5,00
70mm	2,33	200mm	6,67

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,

25-10-2022