



DECLARATION OF PERFORMANCE

No. 05.009 – 305/11/EU – 31/July/2024

Graphite Expanded Polystyrene EPS

1. Unique identification code of the product type: **EPS 80 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/2024-07-17**)
- Notified laboratory: **IMBiGS, Notified Body: 1454**
7. Declared performance/s:

Essential Characteristics	Performance		Testing standards	
Compressive stress	σ_{10} (kPa)	80	EN 13163	EN 826
Bending resistance	σ_b (kPa)	125		EN 12089
Shear stress	τ (kPa)	60		EN 12090
Tensile strength	σ_{mt} (kPa)	200		EN 1607
Thermal conductivity	λ_D (W/mK)	0.031		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)	≥16		EN 1602
Water vapour diffusion resistance μ		20 - 40		EN 13163
Reaction to fire		E		EN 13501
Hazardous substances release	npd			



THERMOPLASTIKI

TABLE 1

Thickness	Thermal resistance R (m ² K/W)	Thickness	Thermal resistance R (m ² K/W)
20mm	0,65	80mm	2,58
30mm	0,97	100mm	3,22
40mm	1,29	120mm	3,87
50mm	1,61	140mm	4,52
60mm	1,93	150mm	4,84
70mm	2,25	200mm	6,45

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