



THERMOPLASTIKI

DECLARATION OF PERFORMANCE

No. 05.003 – 305/11/EU – 29/July/2020

Expanded Polystyrene EPS

1. Unique identification code of the product type: **EPS 100 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): **1 & 3**
- 6a. Harmonised Standard: **EN 13163:2013, EN 14309:2015**
Notified body: **DQS HELLAS LTD, Notified body: 2423,**
Notified laboratory: **CORB, Notified Body 1486**
- 6b. European Assessment Document: **ETAG 004**
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)	0.035		EN 12667 or EN 12939
Thermal resistance	R (m ² K/W)	Table1		EN 16036
Dimensional stability	DS(N)%	≤0.5%		EN 1602
Density	ρ (kg/m ³)	≥19		EN 12086
Water vapour diffusion resistance μ		20 - 40		EN 13501
Reaction to fire		E		
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	0.57	60mm	1.71
30mm	0.86	70mm	2.00
40mm	1.14	80mm	2.28
50mm	1.42	100mm	2.85

8. 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,

29-07-2020