



**THERMOPLASTIKI**

## DECLARATION OF PERFORMANCE

No. 006.022 – 305/11/EE – 31/July/2024

### Extruded polystyrene XPS

1. Unique identification code of the product type: **XPS 300 novablok WALL/I**
2. Intended use: **Buildings 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 13164:2013, 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)	300	EN 13164
Shearing behaviour	Shear stress	$\tau$ (kPa)	300	
	Shearing measure	G (kPa)	1650	
Tensile strength		$\sigma_{mt}$ (kPa)	400	
Thermal resistance	Thermal conductivity	$\lambda_D$ (W/mK)	Table1	
	Thermal resistance	R (m <sup>2</sup> K/W)	Table1	
	Thickness tolerances	T	T1	
Dimensional stability		DS(23,90)%	≤0.5%	
Indicative Density		$\rho$ (Kg/m <sup>3</sup> )	30-34	
Water vapour diffusion resistance $\mu$			80-200	
Long-term water absorption with partial immersion		$W_{IP}$ (Kg/m <sup>2</sup> )	0.02	
Non-combustibility class			E	
Hazardous substances release	npd			



**THERMOPLASTIKI**

TABLE 1

Thickness	Thermal conductivity $\lambda_D$ (W/mK)	Thermal resistance R (m <sup>2</sup> K/W)	Thickness	Thermal conductivity $\lambda_D$ (W/mK)	Thermal resistance R (m <sup>2</sup> K/W)
20mm	NPD	NPD	60mm	NPD	NPD
25mm	NPD	NPD	70mm	0,032	2,19
30mm	NPD	NPD	80mm	0,032	2, 50
40mm	NPD	NPD	100mm	NPD	NPD
50mm	0,032	1,56			

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