



THERMOPLASTIKI

DECLARATION OF PERFORMANCE

No. 006.006 – 305/11/EE – 31/July/2024

Extruded polystyrene XPS

1. Unique identification code of the product type: **XPS 200 novablok THERMO T/L**
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		σ_{10} (kPa)	200	EN 13164	EN 826
Shearing behaviour	Shear stress	τ (kPa)	200		EN 12090
	Shearing measure	G (kPa)	1300		EN 1607
Tensile strength		σ_{mt} (kPa)	400		EN 12667 or EN 12939
Thermal resistance	Thermal conductivity	λ_D (W/mK)	Table1		EN 1604
	Thermal resistance	R (m ² K/W)	Table1		EN 1602
	Thickness tolerances	T	T1		EN 13163
Dimensional stability		DS(23,90)%	≤0.5%		EN 12087
Indicative Density		ρ (Kg/m ³)	30-34		EN 13501
Water vapour diffusion resistance μ			80-200		
Long-term water absorption with partial immersion		W_{IP} (Kg/m ²)	0.02		
Non-combustibility class			E		
Hazardous substances release	npd				



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TABLE 1

Thickness	Thermal conductivity λ_D (W/mK)	Thermal resistance R (m ² K/W)	Thickness	Thermal conductivity λ_D (W/mK)	Thermal resistance R (m ² K/W)
20mm	NPD	NPD	60mm	NPD	NPD
25mm	NPD	NPD	70mm	NPD	NPD
30mm	0,033	0,91	80mm	NPD	NPD
40mm	NPD	NPD	100mm	NPD	NPD
50mm	NPD	NPD			

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