

**THERMOPLASTIKI**

DECLARATION OF PERFORMANCE

No. 06.003 – 305/11/EU – 29/July/2020

Extruded polystyrene XPS

1. Unique identification code of the product type: **XPS 300 novablok FORM FB/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): **1 & 3**
6. Harmonised Standard: **EN 13164:2013, EN 14307:2015**
Notified body: **DQS HELLAS LTD, Notified body: 2423,**
Notified laboratory: **CORB, Notified Body 1486**
7. Declared performance/s:

Essential Characteristics	Performance			Testing standards	
Compressive stress		σ_{10} (kPa)	300	EN 13164	EN 826
Shearing behaviour	Shear stress	τ (kPa)	300		EN 12090
	Shearing measure	G (kPa)	1650		
Tensile strength		σ_{mt} (kPa)	400		EN 1607
Thermal resistance	Thermal conductivity	λ_D (W/mK)	Table1		EN 12667 or EN 12939
	Thermal resistance	R (m ² K/W)	Table1		
	Thickness tolerances	T	T1		
Dimensional stability		DS(23,90)%	≤0.5%		EN 1604
Indicative Density		ρ (Kg/m ³)	34		EN 1602
Water vapour diffusion resistance μ			80-200		EN 13163
Long-term water absorption with partial immersion		W_{IP} (Kg/m ²)	0.02		EN 12087
Non-combustibility class			E		EN 13501
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	0,034	2,06
30mm	0,033	0,91	80mm	0,034	2,35
40mm	NPD	NPD	100mm	0,034	2,94
50mm	0,033	1,52			

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