

Extruded Polystyrene



DECLARATION OF PERFORMANCE

No. 40CPR22112018

1. Unique identification code of the product-type: **Extruded polystyrene GIAS XPS 300 E**

2. Product identification : **XPS-EN13164-T1-DS(70,90)-CS(10/Y)300-CC(4,0/2,0/50)75-WL(T)0,7-TR200-MU200-FTCI2**

3. Intended use or uses: Thermal insulation in the construction industry

4. Manufacturer's name and contact address:

SC BRIOTHERMXPS SRL

Production facility: Parc Industrial Mija, Jud. Dambovită, Com . IL Caragiale , Sos.Ploiesti –

Targoviste 137255, Romania

5. The name and contact of the authorized representative: Not the chase

6. Performance stability assessment and verification system or systems:

System 3

7. Harmonised standard: **EN 13164:2012+A1:2015**

Notified Body:

1. NB. 1803

Institutul de Cercetari pentru Echipamente si Tehnologii si Constructii " ICECON " SA

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2. NB. 1841

Institutul National de Cercetare-Dezvoltare in Constructii, Urbanism si dezvoltare Teritoriala

Durabila URBAN INCERC,

Address: Soseaua Pantelimon, nr 266, 021652, Sector 2, Bucuresti/oddział: Calea Florești nr 117,
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3. NB. 1396 – FIRES SRO

Adress: Str. Osloboditelov , nr. 282, 059 35 Batizovce, Slovakia

8. Declared performance

Basic characteristics		Performance	Harmonised Standard
Thermal resistance	Thermal resistance	See Table 1 below	EN 13164+A1:2015
	Thermal conductivity coefficient	See Table 1 below	
	Thickness	$D_N - 40,50$ [mm], $T1 (-2 \text{ mm}, +2 \text{ mm})$	
Reaction to fire	Reaction to fire class (EUROCLASS)	E	
Stability of reaction to fire as a function of heat, weather conditions, ageing/degradation	Stability of properties	NPD	
Stability of thermal resistance as a function of heat, weather conditions, ageing/degradation	Thermal resistance R_D and thermal conductivity coefficient λ_D	NPD	
	Stability of properties Dimensional stability under certain temperature and humidity conditions	DS (70.90) ($\leq 5\%$)	
	Freezing and thawing resistance	FTCI2 (WV $\leq 1\%$)	
Compression strength	Compression strength	CS(10/Y)300 (≥ 300 kPa)	
Bending/tensile strength	Face surface perpendicular tensile strength	TR200 (≥ 200 kPa)	
Stability of compression strength as a function of ageing/degradation	Compression creeping	300 kPa – CC(4.0/2.0/50)75	
Water permeability	Long-term water absorption through complete immersion	WL(T)0.7 ($\leq 0.7\%$)	
Steam permeability	Steam penetration	MU 200	
Release of hazardous substances into the internal environment	Emissions of hazardous substances	NPD	
Continuous combustion in the form of glow	Continuous combustion in the form of glow	NPD	

Table 1
Thermal values

Thickness [mm]	Thermal conductivity [W/mK] Λ_d (maximum value)	Thermal conductivity [W/mK] Λ_d (maximum value)
40	0.033	1.20
50	0.031	1.60

9. The performance of the product defined above is in accordance with the set of declared performance. This declaration of performance is issued in accordance with European Regulation 305/2011 under the sole responsibility of the manufacturer referred to above.

Signed on behalf of the manufacturer by:

Place: Parc Industrial Mija ,jud.Dambovita ,Com. IL Caragiale, Sos.Ploiesti – Targoviste
137257, Romania

Director

Eng. Rotariu Vasile

21.05.2026

