



## DECLARATION OF PERFORMANCE

No. 24CPR22112018

1. Unique identification code of the product-type: **Extruded polystyrene GIAS XPS 300**
2. Product identification : **XPS-EN13164-T1-DS(70,90)-CS(10/Y)300-CC(1,5/1,0/50)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

Registered office: Soseaua de Centura, Nr 6, Stefanestii de Jos , Jud. Ilfov 077175, Romania

Production facility: Parc Industrial Mija, Jud. Dambovita, Com . IL Caragiale , Sos.Ploiesti – Targoviste 137255

5. The name and contact of the authorized representative: Not the chase
6. Performance stability assessment and verification system or systems:  
**System 3 + System 4**
7. Harmonised standard: **SR EN 13164:2012+A1:2015**

1. No. 1803

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

Address: Sos.Pantelimon nr.266 , Sector 2 , Bucuresti

Tel: (004)021.255.07.34 Fax:(004)021.255.14.20 E-mail: [icecon@icecon.ro](mailto:icecon@icecon.ro)

2. No. 1841

### Institutul National de Cercetare-Dezvoltare in Constructii, Urbanism si dezvoltare Teritoriala Durabila URBAN INCERC,

Address: Soseaua Pantelimon, nr 266, 021652, Sector 2, Bucuresti/oddzial: CaleaFloresti nr 117, 400524 Cluj Napoca

3. No. 3430 - **AXACERT - LABORATOR DE ANALIZE SI INCERCARI PRODUSE PENTRU CONSTRUCTII GRAD I** Adress: Moara Vlasiei, str. Agromec 3, jud. Ilfov.

## 8. Declared performance

Basic characteristics		Performance	Harmonised Standard
Thermal resistance	Thermal resistance	See Table 1 below	<b>SR EN 13164+A1:2015</b>
	Thermal conductivity coefficient	See Table 1 below	
	Thickness	D <sub>N</sub> — 20,30,40[mm], T1 (-2 mm, +2 mm) D <sub>N</sub> — 50,60,70,80,100,120[mm], T1 (-2 mm, +3 mm) D <sub>N</sub> -140,150 [mm] T1 (-2mm, +6mm)	
Reaction to fire	Reaction to fire class (EUROCLASS)	F	
Stability of reaction to fire as a function of heat, weather conditions, ageing/degradation	Stability of properties	Does not decrease over time	
Stability of thermal resistance as a function of heat, weather conditions, ageing/degradation	Thermal resistance R <sub>D</sub> and thermal conductivity coefficient λ <sub>D</sub>	Does not change over time	
	Stability of properties Dimensional stability under certain temperature and humidity conditions	DS (70.90) ( ≤ 5%)	
	Freezing and thawing resistance	FTCI2 (WV ≤ 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(1.5/1.0/50)75	
Water permeability	Long-term water absorption through complete immersion	WL(T)0.7 ( ≤ 0.7%)	
Steam permeability	Steam penetration	MU 200	
Release of hazardous substances into the internal environment	Emissions of hazardous substances	No hazardous substances	
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]	Thermal resistance [m <sup>2</sup> K/W]
20	0,030	0,65
30	0,032	0,90
40	0,033	1,20
50	0,034	1,45
60	0,032	1,85
70	0,034	2,05
80	0,031	2,55
100	0,031	3,20
120	0,031	3,85
140	0,031	4,50
150	0,031	4,85

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 Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer referred to above.

Signed on behalf of the manufacturer by:

Head of Quality Control Department

Eng. Rotariu Vasile

Bucharest 08.11.2021



**Additional information**

This declaration is a renewed version of DOP no. 24CPR22122018 from 30.04.2019 and applies also to products that were replaced on the market on the basis of this declaration