Extruded Polystyrene

GIAS GRAFIT XPS

CE

DECLARATION OF PERFORMANCE

No. 26CPR22112018

Rev 1 / 2022

1. Unique identification code of the product-type: **Extruded polystyrene GIAS XPS 700**

2. Product identification **: XPS-EN13164-T1-DS(70,90)-CS(10/Y)700-CC(2,0/1,0/50)175-WL(T)0,7-TR400-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

Mailing address: 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 and System 4 (for the reaction to fire class in conformity with ZA.3.3 from SR EN 13164+A1:2015)

7. Harmonised standard: **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

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/oddział: CaleaFloresti nr 117, 400524 Cluj Napoca

8. Declared performance

Basic characteristics		**Performance**
Thermal resistance	Thermal resistance	See Table 1 below
	Thermal conductivity coefficient	See Table 1 below
	Thickness	D_N — 80,100[mm], T1 (-2 mm, +3 mm)
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_D and thermal conductivity coefficient λ_D	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)700 (≥ 700 kPa)
Bending/tensile strength	Face surface perpendicular tensile strength	TR 400 (≥400 kPa)
Stability of compression strength as a function of ageing/degradation	Compression creeping	700 kPa – CC(2.0/1.0/50)175
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]** λ_d	**Thermal resistance [m² K/W]** R_d
80	0,034	2,25
100	0,036	2,75

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 15.12.2022