

Declaration of Performance No. 061-CPR-EPSP

1. Unique identification code of the product type: **Austrotherm EPS F-PLUS**
 Designation code: **EPS-EN 13163-T1-L2-W2-Sb2-P5-DS(N)2-DS(70,-)1-BS130-CS(10)80-TR150-WL(T)2-MU(20+40)**
3. Intended use/uses: Thermal insulation for buildings.
4. Manufacturer: Austrotherm Bulgaria EOOD, Kazichene, Industrial Zone, 1532 Sofia;
www.austrotherm.bg
5. System(s) for assessing and verifying constancy of performance: System 3
6. Harmonized standard: EN 13163:2012+A2:2016
National reference number BDS EN 13163:2012+A2:2017
Notified body/bodies: Research Institute of Building Materials NB 2032 (previous number NB 1950)
7. Declared performance indicators:

Essential characteristics	Performance indicators	Harmonized technical specification
Thermal resistance	Thermal resistance	see the table below
	Thermal conductivity coefficient	≤0.031 W/mK
	Thickness	T(1)
Dimensions	Length tolerance class	L(2)
	Width tolerance class	W(2)
	Squareness tolerance class	S(2)
	Flatness tolerance class	P(5)
Reaction to fire	Reaction to fire	Euroclass E
Durability of thermal resistance under the influence of heat, weathering, aging/destruction	Dimensional stability under constant normal laboratory conditions	± 0.2%
	Dimensional stability under certain temperature and humidity conditions	≤ 1%
Compressive strength	Compressive stress at 10% strain	CS ≥ 80 kPa
Tensile/flexural strength	Bending strength	BS ≥ 130 kPa
	Tensile strength perpendicular to surfaces	TR ≥ 150 kPa
Water permeability	Continuous water absorption upon complete immersion	≤ 2%
	Water absorption during prolonged partial immersion	< 0.5 kg/m ²
Water vapor permeability	Water vapor diffusion resistance number (μ)	20+40
Bulk density	Bulk density	≥15 kg/m ³

EN 13163:2012+A2:2016 National reference number BDS EN 13163:2012+A2:2017

⁸ The performance of the product identified above is in conformity with the declared performance. 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:

Sofia, 11/2024

Manager
Diana Chobanova



Table Thermal resistance according to EN 13163:2012+A2:2016

d _N mm	R _D m ² K/W
10	0.30
20	0.60
30	0.95
40	1.25
50	1.60
60	1.90

d _N mm	R _D m ² K/W
70	2.25
80	2.55
90	2.90
100	3.20
110	3.50
120	3.85

d _N mm	R _D m ² K/W
130	4.15
140	4.50
150	4.80
160	5.15
170	5.45
180	5.80

d _N mm	R _D m ² K/W
190	6.10
200	6.45
210	6.75
220	7.05
230	7.40
240	7.70

d _N mm	R _D m ² K/W
250	8.05
260	8.35
270	8.70
280	9.00
290	9.35
300	9.65