

Declaration of Performance No. 054-CPR-EPSF

- | | |
|--|--|
| 1. Unique identification code of the product type: | Austrotherm EPS F |
| 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) |
| 2. Type, batch or serial number: | see the seal on the plates |
| 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	≤0.035 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	0.25
20	0.55
30	0.85
40	1.10
50	1.40
60	1.70

d _N mm	R _D m ² K/W
70	2.00
80	2.25
90	2.55
100	2.85
110	3.10
120	3.40

d _N mm	R _D m ² K/W
130	3.70
140	4.00
150	4.25
160	4.55
170	4.85
180	5.10

d _N mm	R _D m ² K/W
190	5.40
200	5.70
210	6.00
220	6.25
230	6.55
240	6.85

d _N mm	R _D m ² K/W
250	7.10
260	7.40
270	7.70
280	8.00
290	8.25
300	8.55