

## Declaration of Performance No. 062-CPR-EPS100P

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| 1. Unique identification code of the product type:                 | <b>Austrotherm EPS 100-PLUS</b>  |
| Designation code:  | EPS-EN 13163-T1-L2-W2-Sb2-P5-DS(N)2-DS(70,-)1-BS180-CS(10)100-TR200-WL(T)2-MU(30+70)     |
| 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;<br>www.austrotherm.bg |
| 5. System(s) for assessing and verifying constancy of performance: | System 3   |
| 6. Harmonized standard:  | EN 13163:2012+A2:2016<br>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	≤0.030 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 ≥ 100 kPa
Tensile/flexural strength	Bending strength	BS ≥ 180 kPa
	Tensile strength perpendicular to surfaces	TR ≥ 200 kPa
Water permeability	Continuous water absorption upon complete immersion	≤ 2%
	Water absorption during prolonged partial immersion	< 0.5 kg/m <sup>2</sup>
Water vapor permeability	Water vapor diffusion resistance number (μ)	30+70
Bulk density	Bulk density	≥18 kg/m <sup>3</sup>

**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 <sub>N</sub> mm	R <sub>D</sub> m <sup>2</sup> K/W
10	0.30
20	0.65
30	1.00
40	1.30
50	1.65
60	2.00

d <sub>N</sub> mm	R <sub>D</sub> m <sup>2</sup> K/W
70	2.30
80	2.65
90	3.00
100	3.30
110	3.65
120	4.00

d <sub>N</sub> mm	R <sub>D</sub> m <sup>2</sup> K/W
130	4.30
140	4.65
150	5.00
160	5.30
170	5.65
180	6.00

d <sub>N</sub> mm	R <sub>D</sub> m <sup>2</sup> K/W
190	6.30
200	6.65
210	7.00
220	7.30
230	7.65
240	8.00

d <sub>N</sub> mm	R <sub>D</sub> m <sup>2</sup> K/W
250	8.30
260	8.65
270	9.00
280	9.30
290	9.65
300	10.00

