

Declaration of Performance No. 055-CPR-EPS100

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| 1. Unique identification code of the product type: | Austrotherm EPS 100 |
| 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;
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	≤0.034 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 ²
Water vapor permeability	Water vapor diffusion resistance number (μ)	30+70
Bulk density	Bulk density	≥18 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	1.15
50	1.45
60	1.75

d _N mm	R _D m ² K/W
70	2.05
80	2.35
90	2.60
100	2.90
110	3.20
120	3.50

d _N mm	R _D m ² K/W
130	3.80
140	4.10
150	4.40
160	4.70
170	5.00
180	5.25

d _N mm	R _D m ² K/W
190	5.55
200	5.85
210	6.15
220	6.45
230	6.75
240	7.05

d _N mm	R _D m ² K/W
250	7.35
260	7.60
270	7.90
280	8.20
290	8.50
300	8.80

