

## Declaration of Performance No. 057-CPR-EPS150

1. Unique identification code of the product type: **Austrotherm EPS 150**  
Designation code: **EPS-EN 13163-T1-L2-W2-Sb2-P5-DS(N)2-DS(70,-)1-BS300-CS(10)150-TR280-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	≤0.033 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 ≥ 150 kPa
Tensile/flexural strength	Bending strength	BS ≥ 300 kPa
	Tensile strength perpendicular to surfaces	TR ≥ 280 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	≥27 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	0.60
30	0.90
40	1.20
50	1.50
60	1.80

d <sub>N</sub> mm	R <sub>D</sub> m <sup>2</sup> K/W
70	2.10
80	2.40
90	2.70
100	3.00
110	3.30
120	3.60

d <sub>N</sub> mm	R <sub>D</sub> m <sup>2</sup> K/W
130	3.90
140	4.20
150	4.50
160	4.80
170	5.15
180	5.45

d <sub>N</sub> mm	R <sub>D</sub> m <sup>2</sup> K/W
190	5.75
200	6.05
210	6.35
220	6.65
230	6.95
240	7.25

d <sub>N</sub> mm	R <sub>D</sub> m <sup>2</sup> K/W
250	7.55
260	7.85
270	8.15
280	8.45
290	8.75
300	9.05