

## Declaration of Performance No. 058-CPR-EPST650

1. Unique identification code of the product type: **Austrotherm EPS T650**
- Designation code: **EPS-EN 13163-T1-L2-W2-Sb2-P5-DS(N)2-BS100-CS(10)30-TR100-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.  
For sound and heat insulation of interfloor floor slabs, under cement screed, under floor heating. Load up to 650 kg/m<sup>3</sup>
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	≤ 0.040 W/mK
	Thickness	T(2)
Dimensions	Length tolerance class	L(2)
	Width tolerance class	W(2)
	Squareness tolerance class	Sb(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	± 0.5%
	Durability features	NPD
	Dimensional stability under certain temperature and humidity conditions	≤ 1%
Compressive strength	Compressive strength at 10% deformation	≥ 30 kPa
Tensile/flexural strength	Bending strength	≥ 100 kPa
	Tensile strength perpendicular to surfaces	≥ 120 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	20+40
Impact sound transmission coefficient (for floors)	Dynamic stiffness	SD <sup>1)</sup>
	Thickness d <sub>L</sub>	NPD
	Shrinkage	CP2

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

<sup>1)</sup>Depends on the thickness of the plate

- 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
20	0.50
30	0.75
40	1.00
50	1.25

Table Dynamic stiffness according to EN 13163:2012+A2:2016

d <sub>N</sub> mm	s' MN/m <sup>3</sup>
20	20
30	15
40	15
50	15