

Declaration of Performance data No. 052-CPR-EPS70

1. Unique identification code of the product type: **Austrotherm EPS 70**
Designation code: **EPS-EN 13163-T1-L2-W2-Sb2-P5-DS(N)2-DS(70,-)1-BS115-CS(10)70-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.
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(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 ≥ 70 kPa |
| Tensile/flexural strength | Bending strength | BS ≥ 115 kPa |
| | Tensile strength perpendicular to surfaces | TR ≥ 100 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 | ≥12.5 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 | 0.50 |
| 30 | 0.75 |
| 40 | 1.00 |
| 50 | 1.25 |
| 60 | 1.50 |

| d _N mm | R _D m ² K/W |
|-------------------|-----------------------------------|
| 70 | 1.75 |
| 80 | 2.00 |
| 90 | 2.25 |
| 100 | 2.50 |
| 110 | 2.75 |
| 120 | 3.00 |

| d _N mm | R _D m ² K/W |
|-------------------|-----------------------------------|
| 130 | 3.25 |
| 140 | 3.50 |
| 150 | 3.75 |
| 160 | 4.00 |
| 170 | 4.25 |
| 180 | 4.50 |

| d _N mm | R _D m ² K/W |
|-------------------|-----------------------------------|
| 190 | 4.75 |
| 200 | 5.00 |
| 210 | 5.25 |
| 220 | 5.50 |
| 230 | 5.75 |
| 240 | 6.00 |

| d _N mm | R _D m ² K/W |
|-------------------|-----------------------------------|
| 250 | 6.25 |
| 260 | 6.50 |
| 270 | 6.75 |
| 280 | 7.00 |
| 290 | 7.25 |
| 300 | 7.50 |