

# DECLARATION OF PERFORMANCE

## DoP No. 099-03 Bekatherm EPS Gold

Expanded polystyrene panels

1. Name and/or designation of the construction product type:

**Bekatherm EPS Gold**

2. Type, batch or serial number or some other element that enables identification of the construction product:

**Stamped on the packaging.**

3. Intended use or uses of the construction product in accordance with the appropriate technical specification or technical regulation:

**White thermal insulation panels made of expanded polystyrene, intended for use in thermal insulation facade systems ETICS according to ETAG 004.**

4. Name and address of the manufacturer

**Banja Komerc Bekament DOO,  
Kralja Petra Prvog 132,  
34304 Banja, Arandjelovac, Serbia**

5. Name and address of representative: /

6. The system or systems of assessment and verification of the constancy of performance of the construction product (AVCP), established by the corresponding technical specification or technical regulation:

**System 3**

7. Applied technical regulations:

**EN 13163:2012+A1:2015**

8. List of essential characteristics and performance of essential characteristics:

**Product label: EPS-EN 13163-L2-W2-T1-S2-P3-DS(N)2-DS(70,90)1-CS(10)80-BS150-TR150-WL(T)3,5**

| Characteristics                                      | Label          | Unit | Declared    | Tolerance | Harmonized technical specification |
|------------------------------------------------------|----------------|------|-------------|-----------|------------------------------------|
| Length                                               | L              | mm   | L2          | ±2        | EN 822                             |
| Width                                                | W              | mm   | W2          | ±2        | EN 822                             |
| Thickness                                            | T              | mm   | T1          | ±1        | EN 823                             |
| Rectangularity                                       | S              | mm/m | S2          | ±2        | EN 824                             |
| Flatness                                             | P              | mm   | P3          | ±3        | EN 825                             |
| Dimensional stability                                | DS(N)          | %    | DS(N)2      | ±0,2      | EN 1604                            |
| Dimensional stability at certain temp. and moisture. | DS(70,90)      | %    | DS(70,90)1  | ≤1        | EN 1604                            |
| Compressive strength at 10% deformation              | CS(10)         | kPa  | CS(10)80    | ≥80       | EN 826                             |
| Tensile strength perpendicular to the surface        | TR             | kPa  | TR150       | ≥150      | EN 1607                            |
| Flexural strength                                    | BS             | kPa  | BS150       | ≥150      | EN 12089                           |
| Long-term water absorption during immersion          | WL(T)          | %    | WL(T)3,5    | ≤3,5      | EN 12087                           |
| Thermal conductivity coefficient                     | λ <sub>D</sub> | W/mK | 0,029       | /         | EN 12667                           |
| Fire reaction                                        | /              | /    | Euroclass E | /         | EN 13501-1                         |

|                        |                   |      |      |      |      |      |      |      |      |      |      |
|------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|
| Panel thickness, mm    | d                 | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 90   | 100  | 110  |
| Lambda/thickness W/m²K | λ <sub>D</sub> /d | 1.45 | 0.97 | 0.73 | 0.58 | 0.48 | 0.41 | 0.36 | 0.32 | 0.29 | 0.26 |

|                              |       |      |      |      |      |      |      |      |      |      |      |
|------------------------------|-------|------|------|------|------|------|------|------|------|------|------|
| Thermal resistance, $m^2K/W$ | $R_D$ | 0.69 | 1.03 | 1.38 | 1.72 | 2.07 | 2.41 | 2.76 | 3.10 | 3.45 | 3.79 |
|------------------------------|-------|------|------|------|------|------|------|------|------|------|------|

|                              |               |      |      |      |      |      |      |      |      |      |
|------------------------------|---------------|------|------|------|------|------|------|------|------|------|
| Panel thickness, mm          | d             | 120  | 130  | 140  | 150  | 160  | 170  | 180  | 190  | 200  |
| Lambda/thickness $W/m^2K$    | $\lambda_D/d$ | 0.24 | 0.22 | 0.21 | 0.19 | 0.18 | 0.17 | 0.16 | 0.15 | 0.15 |
| Thermal resistance, $m^2K/W$ | $R_D$         | 4.14 | 4.48 | 4.83 | 5.17 | 5.52 | 5.86 | 6.21 | 6.55 | 6.90 |

**9. The initial product type test was performed by the Institute IGH, d.d., 1 Janka Rakuše Str., 10000 Zagreb, Croatia (NB 2477) and the Report on the evaluation of the properties of the construction product OD-DC 16/002-009 was issued.**

**Product testing was conducted by the Institute for Materials Testing a.d. in Belgrade and the Test Report was issued under number DSM-112/22, 20.10.2022. and GFT-8307/22-TOL, 18.10.2022.**

The characteristics of the product are in accordance with the characteristics specified in point 8.

This performance declaration is published in accordance with the Law on Construction Products (Official Gazette of RS, No. 83 of October 29, 2018) and EU Regulation, CPR 305/2011, and is solely the responsibility of the manufacturer specified in point 4.

Name and function:  
Lena Riznić, QQ Sector director

*Lena Riznić*



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In Banja  
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