

DECLARATION OF PERFORMANCE

DoP No. 099-04 Bekatherm EPS 100

Expanded polystyrene panels

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

Bekatherm EPS 100

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 construction.

4. Name and address of the manufacturer:

**Banja Komerc Bekament DOO,
132 Kralja Petra Prvog Str.
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+A1:201

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-DLT(1)5-CS(10)100-BS150-TR200

Characteristics	Label	Unit	Declared	Tolerance	Harmonized technical specification
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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 1603
Dimensional stability at certain temp. and moisture	DS(70,90)	%	DS(70,90)1	≤1	EN 1604
Determining the deformation at certain temp. and the effect of force	DLT(1)	%	DLT(1)5	≤5	EN 1605
Compressive strength at 10% deformation	CS(10)	kPa	CS(10)100	≥100	EN 826
Tensile strength perpendicular to the surface	TR	kPa	TR200	≥200	EN 1607
Flexural strength	BS	kPa	BS150	≥150	EN 12089
Thermal conductivity coefficient	λ_D	W/mK	0,035	/	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/m ² K	λ_D/d	1.75	1.17	0.88	0.70	0.58	0.50	0.44	0.39	0.35	0.32
thermal resistance, m ² K/W	R_D	0.57	0.85	1.10	1.40	1.70	2.0	2.25	2.55	2.85	3.10

Panel thickness, mm	d	120	130	140	150	160	170	180	190	200
Lambda/thickness W/m ² K	λ_D/d	0.29	0.27	0.25	0.23	0.22	0.21	0.19	0.18	0.18
Thermal resistance, m ² K/W	R _D	3.40	3.70	4.00	4.25	4.55	4.85	5.10	5.40	5.70

9. Initial product type testing was performed by the Technical and Test Institute for Construction in Prague (Czech Republic) (Technical and Test Institute for Construction, Prague, Czech Republic, NB: 1020) and the Construction Product Properties Evaluation Report No. 1020 - CPR - 020 - 036987.

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 29 October 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

Signed, round official seal: Banja komerc Bekament doo V
Banja Arandjelovac

In Banja

11.04.2024.

Previous version: 18.07.2023.

Modified chapters: 8 and 9.



