BEKAMENT®
Snaga je u našim rukama

DECLARATION OF PERFORMANCE

DoP No. 099-06 Bekatherm EPS 150
Expanded polystyrene panels

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

   Bekatherm EPS 150

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,
   34304 Banja, Aranđelovac, Serbia

5. Name and address of representative: /

6. System or systems of assessment and verification of the constancy of performance of the construction product (AVCP), determined 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-DLT(1)5-CS(10)150-BS250-TR300

Characteristic	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 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)150	≥150	EN 826
Tensile strength perpendicular to the surface	TR	kPa	TR300	≥300	EN 1607
Flexural strength	BS	kPa	BS250	≥250	EN 12089
Thermal conductivity coefficient	λ_D	W/mK	0,034	/	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	$\lambda_{D/d}$	1.70	1.13	0.85	0.68	0.57	0.49	0.43	0.38	0.34	0.31
Thermal resistence, m^{2}K/W	R_D	0.55	0.85	1.15	1.45	1.75	2.05	2.35	2.65	2.90	3.20

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265-1100310004339-30 Raiffeisen banka | Matični broj: 06056091 | Šifra delatnosti: 4690 | PIB: 100997773 | PDV: 131889250

Panel thickness, mm	d	120	130	140	150	160	170	180	190	200
Lambda/Thickness W/m^{2}K	$\lambda_{D/d}$	0.28	0.26	0.24	0.23	0.21	0.20	0.19	0.18	0.17
Thermal resistance, m^{2}K/W	R_D	3.50	3.80	4.10	4,40	4.70	5.00	5.25	5.55	5.85

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 – 036989.**
10. **Product testing was conducted by the Institute for Materials Testing a.d. in Belgrade and the Test Report was issued under the number DSM-121/22, 12.12.2022. and GFT-8409/22-TOL, 07.12.2022.**

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.

CE
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Name and function:
Lena Riznić, QQ Sector Director
Signed
Round official seal: BANJA komerc BEKAMENT doo
Banja -Aranđelovac

In Banja
11.04.2024.
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