

# DECLARATION OF PERFORMANCE

## DoP No. 099-01 Bekatherm EPS 30

Expanded polystyrene panels

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

**Bekatherm EPS 30**

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 relevant 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, Arandjelovac, 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 regulation

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

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

**Product label: EPS-EN 13163-L2-W1-T1-S1-P3-DS(N)2-DS(70,90)1-CS(10)30-BS50-TR40**

Characteristic	Label	Unit	Declared	Tolerance	Harmonized
----------------	-------	------	----------	-----------	------------

					<b>technical specification</b>
Length	L	mm	L2	±2	EN 822
Width	W	mm	W1	±1	EN 822
Thickness	T	mm	T1	±1	EN 823
Rectangularity	S	mm/m	S1	±1	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
Compressive strength at 10% deformation	CS(10)	kPa	CS(10)30	≥30	EN 826
Tensile strength perpendicular to the surface	TR	kPa	TR40	≥40	EN 1607
Flexural strength	BS	kPa	BS50	≥50	EN 12089
Thermal conductivity coefficient	λ <sub>D</sub>	W/mK	0,042	/	EN 12667
Fire reaction	/	/	Euroclass E	/	EN 13501-1

Thickness of the panel, mm	d	20	30	40	50	60	70	80	90	100	110
Lambda/thickness W/m <sup>2</sup> K	λ <sub>D</sub> /d	2.10	1.40	1.05	0.84	0.70	0.6	0.53	0.47	0.42	0.38
Thermal resistance, m <sup>2</sup> K/W	R <sub>D</sub>	0.45	0.70	0.95	1.15	1.40	1.65	1.90	2.10	2.35	2.60

Thicknes of the panel, mm	d	120	130	140	150	160	170	180	190	200
Lambda/thickness W/m <sup>2</sup> K	λ <sub>D</sub> /d	0.35	0.32	0.30	0.28	0.26	0.25	0.23	0.22	0.21
Thermal resistance, m <sup>2</sup> K/W	R <sub>D</sub>	2.85	3.10	3.30	3.55	3.80	4.05	4.25	4.50	4.75

**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 - 036986.**

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 according to the EU Regulation, CPR 305/2011 and exclusively is under 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, Banja, Arandjelovac

In Banja

11.04.2024.

Previous version: 18.07.2023.

Modified chapters: 8 and 9.



1020

