

DECLARATION OF PERFORMANCE

DoP No. 099-07 Bekatherm EPS Grafit

Expanded polystyrene panels

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

Bekatherm EPS Grafit

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:

Gray heat-insulating panels made of expanded polystyrene with the addition of graphite, intended for use in heat-insulating facade systems ETICS according to ETAG 004.

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. 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-CS(10)80-BS150-TR150-WL(T)2,5



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 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)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)2,5	≤2,5	EN 12087
Thermal conductivity	λ _D	W/mK	0,031	/	EN 12667

coefficient					
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	$\lambda_{D/d}$	1.55	1.03	0.78	0.62	0.52	0.44	0.39	0.34	0.31	0.28
Thermal resistance, m ² K/W	R _D	0.65	0.95	1.25	1.60	1.90	2.25	2.55	2.90	3.20	3.55

Panel thickness, mm	d	120	130	140	150	160	170	180	190	200
Lambda/thickness W/m ² K	$\lambda_{D/d}$	0.26	0.24	0.22	0.21	0.19	0.18	0.17	0.16	0.16
Thermal resistance, m ² K/W	R _D	3.85	4.15	4.50	4.80	5.15	5.45	5.80	6.10	6.45

9. The initial testing of the product type was performed by the Institute IGH, d.d., 1 Janka Rakuše Str, 10000 Zagreb, Croatia (NB 2477) and a Report on the evaluation of the properties of the construction product OD-DC 21/007-006 i OD-DC 21/011-006 was issued.

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

Signed

Round official seal: BANJA komerc BEKAMENT DOO V
Banja Arandjelovac

In Banja

11.04.2024.

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Banja Komerc Bekament d.o.o.

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Modified chapters: 8 i 9.

