DECLARATION OF PERFORMANCE

DoP No. 131-01 BK-Dur XPS
Extruded polystyrene panels

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

   BK-Dur XPS

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:

   Thermal insulation panels made of extruded polystyrene intended for use in construction.

4. Name and address of the manufacturer:

   Banja Komerc Bekament DOO,
   132 Kralja Petra Prvog Str.,
   34304 Banja, Aranđelovac, Serbia

5. Name and address of representative: /

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

   System 3

7. Applied technical regulation:

   EN 13164:2012+A1:2015

8. List of essential characteristics and performance of essential characteristics:
   Classification according to EN 13164:2012+A1:2015
   - **For thicknesses of 20-120 mm:**

   XPS-EN 13164 :2012+A1 :2015 -T1-CS(10/Y)300- DLT(2)5-CC(2/1,5/50)130-DS(TH)-WL(T)1,5-FTCD1

Table 1

Characteristics	**Label**	**Unit**	**Declared**	**Tolerance**	**Harmonized technical specification**
Dimensional tolerance for thickness <50 mm	T	mm	T1	-2 / +2	EN 823
Dimensional tolerance for thicknesses from 50 mm to 120 mm	T	mm	T1	-2 / +3	EN 823
Compressive strength	CS(10/Y)	kPa	CS(10/Y)300	≥300	EN 826
Water absorption, 7 days, total immersion, method 2A	WL(T)	%	WL(T)1,5	≤1,5	EN 16535
Permissible compressive stress for a permanent load of 50 years with deformation <2%	CC (2/1,5/50)	kPa	CC (2/1,5/50)130	130	EN ISO 16534
Behavior at a load of 40kPa and temperature of 70^{0}C	DLT	%	DLT (2)5	<5	EN ISO 16546
Resistance to cyclic thawing-freezing after long-term diffuse absorption of water	FTCDi		FTCD1	1	EN 12091
Classification of reaction to fire			Class E		EN 13501-1
Heat resistance	Rd	m^{2}K/W	see table 2		EN 12667
Thermal conductivity coefficient	Λd	W/mK	0.0310		EN 12667

Table 2

panel thickness, mm	d	20	30	40	50	60	70	80	90	100	110	120
Lambda		0,0304	0,0318	0,0330	0,0330	0,0340	0,0340	0,0340	0,0340	0,0340	0,0340	0,0340
Lambda/ thickness W/m²K	λD/ d	1,52	1,06	0,83	0,66	0,55	0,49	0,43	0,38	0,34	0,31	0,28
Thermal resistance, m²K/W	RD	0,65	0,90	1,20	1,50	1,80	2,05	2,35	2,65	2,90	3,20	3,50

9. **Initial testing of the product type was performed by Institut IGH, d.d., 1 Janka Rakuše Str., 10000 Zagreb, Croatia (NB 2477) and a Report on testing and evaluation of properties based on testing No. 72570/020/24-101/24 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, Production and Quality Sector Director
In Banja, 01.11.2024.

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