

Technical data sheet IZOPOL Nr. 05.2025.10.30-EN

EPS 150



1. Designation:

EPS 150

2. Raw material

Expanded polystyrene
HBCD free

3. Format:

1000 x 500 mm

4. Packing:

to the PE foil in
packaging/non-standard
dimensions are hand-
wrapped.

5. Use according to

ČSN 72 7221-1

Insulation boards are intended
for construction without major
requirements on load pressure.
Are dimensionally stabilized
and are used primarily as a
layer of insulation of flat roofs
and insulation of the walls with
the exception of ETICS.

6. Technical data:



General attributes/standards	Symbol	Units	Values
Thermal conductivity / EN 12667 or EN 12939	λ_D	[W/mK]	0,035
Reaction to fire class / EN13501-1 Reaction to fire class / DIN 4102-1 Basic mounting and fixing / EN15715	RtF		(E) B1
The type of EPS			EPS 150
Thickness / EN 823	d	[mm]	T(2) / ± 2
Length / EN 822	l	[mm]	L(3) / ± 3
Width / EN 822	b	[mm]	W(3) / ± 3
Squareness on length and width / EN 824	S	[mm/m]	S(5) / ± 5
Flatness / EN 825	P	[mm]	P(5) / max. 5
Bending strength / EN 12089	σ_b	[kPa]	BS200 min. 200
Compressive stress at 10% deformation / EN 826	σ_{10}	[kPa]	CS(10)150 min. 150
Dimensional stability / EN 1603 EN 1604	$\Delta\epsilon$	[%]	DS(N)2 max. 0,2

Thermal resistance / EN 12667 or EN 12939	R	[m ² .K.W-1]	dN50mm=1,44
Long term water absorption by immersion / EN 12087	WIT	[%]	WL(T)5 max. 5(3,95)
Deformation under specified compressive load and temperature conditions / EN 1605	DLT	[%]	DLT(1)5
Colour marking (front, three color bars)			

7. Packaging and insulation: Panels 1000 x 500 mm

The thickness in mm	The quantity in pcs	Packaging m ² /package	Packaging m ³ /package	R _(D) (m ² K) in/W	U W/(m ² K)
10	50	25	0.25	0.29	3.40
20	25	12.5	0.25	0.59	1.70
30	16	8	0.24	0.88	1.13
40	12	6	0.24	1.18	0.85
50	10	5	0.25	1.47	0.68
60	8	4	0.24	1.76	0.57
70	7	3.5	0.245	2.06	0.49
80	6	3	0.24	2.35	0.43
90	5	2.5	0.225	2.65	0.38
100	5	2.5	0.25	2.94	0.34
110	4	2	0.22	3.24	0.31
120	4	2	0.24	3.53	0.28
130	3	1.5	0.195	3.82	0.26
140	3	1.5	0.21	4.12	0.24
150	3	1.5	0.225	4.41	0.23
160	3	1.5	0.24	4.71	0.21
180	2	1	0.18	5.29	0.19
200	2	1	0.20	5.88	0.17
220	2	1	0.22	6.47	0.15
240	2	1	0.24	7.06	0.14
250	2	1	0.25	7.35	0.14
260	1	0.5	0.13	7.65	0.13
280	1	0.5	0.14	8.24	0.12
300	1	0.5	0.15	8.82	0.11

The data given in the table are applied only to the values of the insulation material and contain no additional layers.

8. The EN code marking:

EPS-EN 13163 T(2)-L(3)-W(3)-S(5)-P(5)-BS200-CS(10)150-DS(N)2-DS(70,-)1-DLT(1)5-WL(T)5



9. Handling and storage:

1. Protect against UV radiation and direct sunlight.
2. Store in a dry and ventilated environment.
3. Store separately from the solvents and volatile substances.
4. Handle and store so as to avoid mechanical damage of the product.