

EPS 150 Extra Plus



1. Designation:

EPS 150 Extra Plus

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 roofs and insulation of the walls with the exception of ETICS.

6. Colour: Grey with graphite

7. Technical data:

General attributes/standards	Symbol	Units	Values
Thermal conductivity / EN 12667 or EN 12939	λ_D	[W/mK]	0,0305
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 Extra Plus
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=1,64
Long term water absorption by immersion / EN 12087	WIT	[%]	WL(T)3 max. 3
Deformation under specified compressive load and temperature conditions / EN 1605	DLT	[%]	DLT(2)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	0.33	3.05
20	25	12.5	0.25	0.66	1.53
30	16	8	0.24	0.98	1.02
40	12	6	0.24	1.31	0.76
50	10	5	0.25	1.64	0.61
60	8	4	0.24	1.97	0.51
70	7	3.5	0.245	2.30	0.44
80	6	3	0.24	2.62	0.38
90	5	2.5	0.225	2.95	0.34
100	5	2.5	0.25	3.28	0.31
110	4	2	0.22	3.61	0.28
120	4	2	0.24	3.93	0.25
130	3	1.5	0.195	4.26	0.23
140	3	1.5	0.21	4.59	0.22
150	3	1.5	0.225	4.92	0.20
160	3	1.5	0.24	5.25	0.19
180	2	1	0.18	5.90	0.17
200	2	1	0.20	6.56	0.15
220	2	1	0.22	7.21	0.14
240	2	1	0.24	7.87	0.13
250	2	1	0.25	8.20	0.12
260	1	0.5	0.13	8.52	0.12
280	1	0.5	0.14	9.18	0.11
300	1	0.5	0.15	9.84	0.10

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)-BS100-CS(10)150-DS(N)2-TR150-DLT(2)5-WL(T)3



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.