

EPS 200



1. Designation:

EPS 200

2. Raw material

Expanded polystyrene

HBCD free

3. Format:

1000 x 500 mm

4. Packing:

to the PE foil in packaging/n standard dimensions are ha wrapped.


5. Use according to

ČSN 72 7221-1

Insulation boards are intenc for construction without ma requirements on load pressi Are dimensionally stabilized and are used primarily as a layer of insulation of flat roc and insulation of the walls v the exception of ETICS.

6. Technical data:

General attributes/standards	Symbol	Units	Values
Thermal conductivity / EN 12667 or EN 12939	λ_D	[W/mK]	0,033
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 200
Thickness / EN 823	d	[mm]	T(2) / ± 2
Length / EN 822	l	[mm]	L(2) / ± 2
Width / EN 822	b	[mm]	W(2) / ± 2
Squareness on length and width / EN 824	S	[mm/m]	S(2) / ± 2
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)200 min. 200
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=1,52
Long term water absorption by immersion / EN 12087	WIT	[%]	WL(T)5 max. 5(3,16)
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	0.30	3.30
20	25	12.5	0.25	0.61	1.65
30	16	8	0.24	0.91	1.10
40	12	6	0.24	1.21	0.83
50	10	5	0.25	1.52	0.66
60	8	4	0.24	1.82	0.55
70	7	3.5	0.245	2.12	0.47
80	6	3	0.24	2.42	0.41
90	5	2.5	0.225	2.73	0.37
100	5	2.5	0.25	3.03	0.33
110	4	2	0.22	3.33	0.30
120	4	2	0.24	3.64	0.28
130	3	1.5	0.195	3.94	0.25
140	3	1.5	0.21	4.24	0.24
150	3	1.5	0.225	4.55	0.22
160	3	1.5	0.24	4.85	0.21
180	2	1	0.18	5.45	0.18
200	2	1	0.20	6.06	0.17
220	2	1	0.22	6.67	0.15
240	2	1	0.24	7.27	0.14
250	2	1	0.25	7.58	0.13
260	1	0.5	0.13	7.88	0.13
280	1	0.5	0.14	8.48	0.12
300	1	0.5	0.15	9.09	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(2)-W(2)-S(2)-P(5)-BS200-CS(10)200-DS(N)2-DLT(2)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.