

## EPS S



### 1. Designation:

EPS 70

### 2. Raw material

Expanded polystyrene

HBCD free

### 3. Format:

1000 x 500 mm

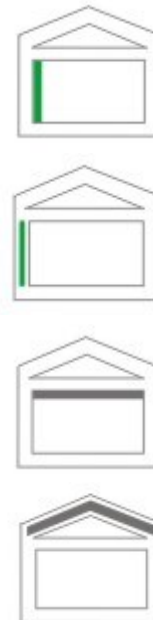
### 4. Packing:

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. Technical data:



General attributes/standards	Symbol	Units	Values
Thermal conductivity / EN 12667 or EN 12939	$\lambda_D$	[W/mK]	0.042
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 S
Thickness / EN 823	d	[mm]	T(2) / $\pm 2$
Length / EN 822	l	[mm]	L(3) / $\pm 3$
Width / EN 822	b	[mm]	W(3) / $\pm 3$
Squareness on length and width / EN 824	S	[mm/m]	S(5) / $\pm 5$
Flatness / EN 825	P	[mm]	P(10) / max. 10
Bending strength / EN 12089	$\sigma_b$	[kPa]	BS75 min. 75

Compressive stress at 10% deformation / EN 826	$\sigma_{10}$	[kPa]	CS(10)50 min. 50
Dimensional stability / EN 1603 EN 1604	$\Delta\epsilon$	[%]	DS(N)5 max. 0,5
Thermal resistance / EN 12667 or EN 12939	R	[m <sup>2</sup> .K.W-1]	dN50mm=1,18
Long term water absorption by immersion / EN 12087	WIT	[%]	WL(T)3 max. 5(2,72)
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 <sup>2</sup> /package	Packaging m <sup>3</sup> /package	R <sub>(D)</sub> (m <sup>2</sup> K) in/W	U W/(m <sup>2</sup> K)
10	50	25	0.25	0.24	4.20
20	25	12.5	0.25	0.48	2.10
30	16	8	0.24	0.71	1.40
40	12	6	0.24	0.95	1.05
50	10	5	0.25	1.19	0.84
60	8	4	0.24	1.43	0.70
70	7	3.5	0.245	1.67	0.60
80	6	3	0.24	1.90	0.53
90	5	2.5	0.225	2.14	0.47
100	5	2.5	0.25	2.38	0.42
110	4	2	0.22	2.62	0.38
120	4	2	0.24	2.86	0.35
130	3	1.5	0.195	3.10	0.32
140	3	1.5	0.21	3.33	0.30
150	3	1.5	0.225	3.57	0.28
160	3	1.5	0.24	3.81	0.26
180	2	1	0.18	4.29	0.23
200	2	1	0.20	4.76	0.21
220	2	1	0.22	5.24	0.19
240	2	1	0.24	5.71	0.18
250	2	1	0.25	5.95	0.17
260	1	0.5	0.13	6.19	0.16
280	1	0.5	0.14	6.67	0.15
300	1	0.5	0.15	7.14	0.14

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)-BS115-CS(10)70-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.