

# FRAGMAT EPS 80

Description of the product: Cut board of expanded polystyrene(EPS)

Characteristics of the product: Boards Fragmat EPS 80 are with white colour, without aroma and it doesn't consist any harmful ingredients. The boards are in rectangular form 0.5m x 1.0m, with standard thickness from 10mm to 200mm.

The quality responds to standard EN 13163, and reaction to fire responds to DIN 4102 in class B1, or by EN 13501-1 in class E. It doesn't consists Freon (CFC free).

Code index by EN 13163:

**EPS-EN 13163-T2-L2-W2-S2-P4-BS170-CS(10)80-WL(T)1-DS(70,-)1-TR150**

Characteristic	EN Method	Unit	Declaration	Tolerance
Length	822	mm	L2	± 2
Width	822	mm	W2	± 2
Thickness	823	mm	T2	± 1
Squareness 1000 mm	824	mm	S2	± 2
Flatness	825	mm	P4	± 5
Bending strength	12089	kPa	BS170	≥ 100
Tensile strength	1607	kPa	170	≥ 100
	DIN 1408-10	kPa	170	≥ 100
Dimensional stability	1604	%	DS(70,-)	± 0.5
Reaction to fire	EN 13501-1;	Class E;	DIN 4102	B1
Thermal resistance (λ <sub>D</sub> )	12667	W/m.K	0.036	.
Compressive strength (at 10% deformation)	EN 826	kPa	81	≥ 80

Thickness – d (mm)

10	20	30	40	50	70	80	100	120	140	150	160	180	200
0.27	0.55	0.83	1.11	1.38	1.94	2.22	2.77	3.33	3.88	4.16	4.44	5.0	5.55

Thermal resistance – RD [m<sup>2</sup>K/W]

- Intended use:** Boards Fragmat EPS 80 are in use for thermal insulation in construction field and in systems of thermal insulation of buildings.
- Method of building:** Most suitable way is with sticking and mechanic attachment. While the construction process it should not be a subject of direct sunbeam (compulsorily use of protecting nets)
- Storing; Packing** The packing are in packages, which consist 0.25 m<sup>3</sup> per package, with PE foil. The packing is taking at closed room, protected from UV ray, warmth, flame and other chemicals which can damage the product.
- For the product is issued:** EC declaration of performance, according to European directive of construction materials.
- Certification body:** NIISM, SOFIA, Ilija Beshkov 1  
Accredited by IA "BSA"  
Certificate no. 47 – approved N CPD 05-NB 1950/17/09/2007



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