

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_D)	12667	W/m.K	0.036	.
Compressive strength (at 10% deformation)	EN 826	kPa	81	≥ 80

Thickness – d (mm)

10	20	30	40	50	60	80	100	120	140	150	160	180	200
0.27	0.55	0.81	1.08	1.38	1.66	2.22	2.77	3.33	3.88	4.16	4.44	5.0	5.55

Thermal resistance – RD [m²K/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 m³ 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.