



TWIN STANDARD EPS80/038 PP

EPS boards for underfloor
heating systems



λ
0,038
W/mK



working load
below 3,0 t/m²



underfloor heating
systems insulation



easy
assembly

DESCRIPTION

TWIN STANDARD EPS 80/038 polystyrene boards comply with the following standard code: EN 13163:2012
EPS-EN 13163-T1-L2-W2-Sb2-P10-BS125-CS(10)80-DS(N)2-DS (70,-)2-DLT(1)5.

Boards produced by method of expanding (foaming) polystyrene. Dedicated for thermal and sound insulation in water-based underfloor heating systems, particularly when tight anchoring of pipes is required. The external layer of boards is covered with polypropylene foil with black imprint to facilitate the distribution of heating pipes. The boards are equipped with foil overlaps for covering joints upon installation.

Accessible sizes: 2000 x 1000 [mm]

Board thickness: 20, 30, 40, 50 [mm]

Edges' trim: smooth edges

ATTENTION

- The polystyrene boards should not come into direct contact with substances harmful to polystyrene, e.g. organic solvents such as acetone, benzene, turpentine or gasoline.
- The polystyrene boards should be stored protected from damages and exterior conditions.

SALES TO DISTRIBUTORS

Contact for distributors of building materials.
Information about where to buy products.

yetico.com/contact

SALES TO INVESTORS

Contact for investors (business and individual),
contractors, architects, and designers.

yetico.com/contact

YETICOTM

BASIC USES

- Thermal insulation in water-based underfloor heating systems in one-family, multi-family and public utility development.



DOCUMENTS

- Declaration of performance no. 09-DoP-2018 with the standard EN 13163:2012.
- Hygienic approval EPS no. HK/B/0921/02/2015.

THERMAL RESISTANCE – dependent on product thickness

20	30	40	50
Thermal resistance RD [m ² K/W]	Thermal resistance RD [m ² K/W]	Thermal resistance RD [m ² K/W]	Thermal resistance RD [m ² K/W]
0,50	0,75	1,05	1,30

PACKAGING METHOD

Specification	Volume of packages, size of boards and number of items per package depend on board thickness			
	20	30	40	50
Thickness [mm]	20	30	40	50
Board size - length x width [mm]	2000 x 1000	2000 x 1000	2000 x 1000	2000 x 1000
Covering area of package [m ²]	2	2	2	2
Items per package	5	5	5	5
Covering area of collective package [m ²]	10	10	10	10



PARAMETERS

Board type		TWIN STANDARD EPS 80/038 PP	
Product code (declared level or class properties of products)		EPS-EN 13163-T1-L2-W2-S _b 2-P10-BS125-CS(10)80-DS(N)2-DS (70,-)2-DLT(1)5	
Declared product properties conform to EN 13163:2012 standard	Measuring unit	Requirements or tolerances	
		Class or level codes	Values
Thickness (dimensional tolerance class)	[mm]	T1	1
Length (dimensional tolerance class)	[mm]	L2	2
Width (dimensional tolerance class)	[mm]	W2	2
Rectangularity over the length and width (dimensional tolerance class)	[mm/mm]	S _b 2	2/1000
Flatness (dimensional tolerance class)	[mm]	P10	10
Flexural strength levels	[kPa]	BS125	125
Compressive strength at 10 % deformation	[kPa]	CS(10)80	80
Classes of dimensional stability under constant laboratory conditions ¹	[%]	DS(N)2	0,2
Levels of dimensional stability under constant temperature and humidity conditions ²	[%]	DS(70,-)2	2
Deformation levels under specified compressive load and temperature ³	[%]	DLT(1)5	5
Declared thermal conductivity rate	[W/(m·K)]	[-]	0,038
Reaction to fire	From A to F	Euroclass	E

¹ measured in 23°C, 50% relative moisture,

² measured in temperature of 70°C for the duration of 48 hour,

³ measured in temperature of 80°C for the duration of 48 hours, under 20 kPa load





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