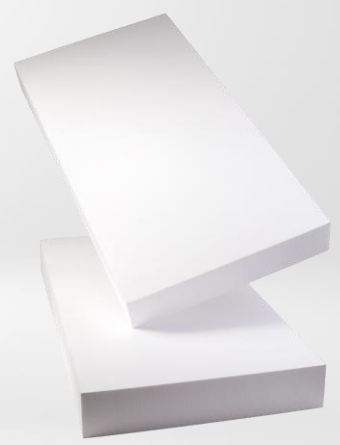




ACUSTIC

Acoustic EPS boards



λ
0,045
W/mK



for sound insulation,
floating floors



easy assembly



reducing
shock noises

DESCRIPTION

ACUSTIC polystyrene boards comply with the following standard code: EN 13163:2012.

For thickness: 17/15

code: **EPS-EN 13163-T1-L3-W3- S_b5-P10-BS50-DS(N)5-SD30-CP2**

For thickness: 22/20, 27/25

code: **EPS-EN 13163-T1-L3-W3- S_b5-P10-BS50-DS(N)5-SD20-CP2**

For thickness: 33/30, 38/35

code: **EPS-EN 13163-T1-L3-W3- S_b5-P10-BS50-DS(N)5-SD15-CP3**

For thickness: 43/40, 48/45, 53/50, 63/60, 73/70

code: **EPS-EN 13163-T1-L3-W3- S_b5-P10-BS50-DS(N)5-SD10-CP3**

Accessible sizes: 1000 x 500 [mm]

Board thickness: 17/15, 22/20, 27/25, 33/30, 38/35, 43/40, 48/45, 53/50, 63/60, 73/70
(without load/with load).

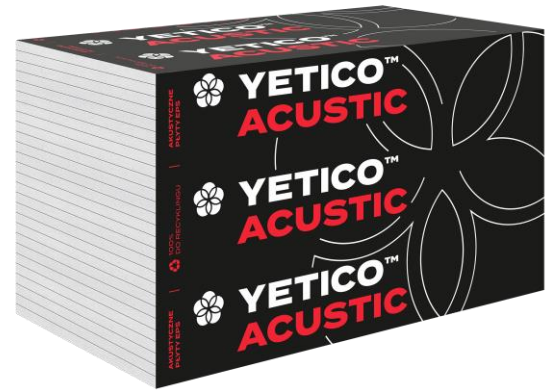
Edges trim: smooth edges

ATTENTION

- Sound insulation of all types of floors through double-layer system called "a floating floor".
- Compression strength under long-lasting loads makes the boards suitable for all types of residential development: one-family, multi-family, as well as multi-apartment or public utility buildings, e.g. in hospitals, schools, hotels, office blocks, pre-schools etc.
- The boards can additionally serve for thermal insulation of floors over unheated spaces.

BASIC USES

- Sound insulation of all types of floors through double-layer system called "a floating floor".
- Compression strength under long-lasting loads makes the boards suitable for all types of residential development: one-family, multi-family, as well as multi-apartment or public utility buildings, e.g. in hospitals, schools, hotels, office blocks, pre-schools etc.
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DOCUMENTS

- Declaration of performance no. 19-DoP-2018 with the standard code EN 13163:2012
- Hygienic approval EPS no. HK/B/0921/02/2015

THERMAL RESISTANCE – dependent on product thickness

Thickness [mm]									
15	20	25	30	35	40	45	50	60	70
Thermal resistance RD [m ² K/W]									
0,35	0,45	0,60	0,70	0,80	0,95	1,05	1,15	1,40	1,60

PACKAGING METHOD

Specification	Volume of packages, size of boards and number of items per package depend on board thickness									
Thickness [mm]	17/15	22/20	27/25	33/30	38/35	43/40	48/45	53/50	63/60	73/70
Items per package	35	27	22	18	15	13	12	11	9	8
Covering area of package [m ²]	17,50	13,50	11,00	9,00	7,50	6,50	6,00	5,50	4,50	4,00
Package volume [m ³]	0,298	0,297	0,297	0,297	0,285	0,280	0,288	0,292	0,284	0,292



PARAMETERS

Board type	ACUSTIC
Product code (declared level or class properties of products)	Thickness: 17/15 Thickness: 22/20, 27/25 Thickness: 33/30, 38/35 Thickness: 43/40, 48/45 53/50, 63/60, 73/70
	EPS-EN 13163-T1-L3-W3- S _b 5-P10-BS50-DS(N)5-SD30-CP2 EPS-EN 13163-T1-L3-W3- S _b 5-P10-BS50-DS(N)5-SD20-CP2 EPS-EN 13163-T1-L3-W3- S _b 5-P10-BS50-DS(N)5-SD15-CP3 EPS-EN 13163-T1-L3-W3- S _b 5-P10-BS50-DS(N)5-SD10-CP3

Declared product properties conform to EN 13163:2012 standard	Measuring unit	Requirements or tolerances	
		Class or level codes	Values
Thickness (dimensional tolerance class)	[%] lub [mm]	T1	- 5% lub - 1 mm +15% lub + 3 mm
Length (dimensional tolerance class)	[mm]	L3	3
Width (dimensional tolerance class)	[mm]	W3	3
Rectangularity over the length and width (dimensional tolerance class)	[mm/mm]	S _b 5	5/1000
Flatness (dimensional tolerance class)	[mm]	P10	10
Flexural strength levels	[kPa]	BS50	50
Classes of dimensional stability under constant laboratory conditions ¹	[%]	DS(N)5	0,5
Dynamic stiffness (dependent on thickness)	[MN/m ³]	SD30	30
		SD20	20
		SD15	15
		SD10	10
Compressibility (dependent on thickness)	[mm]	CP2	2
		CP3	3
Declared thermal conductivity rate λ_D	[W/(m·K)]	[-]	0,045
Reaction to fire	From A to F	Euroclass	E

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

Approximate rate of pressure level reduction ΔL_w [dB] and floor acoustic class related to board thickness

board thickness [mm] [without load/with load]	approximate rate of pressure level reduction L_w [dB]	floor operational load [KN/m ²]	dynamic stiffness level SD [MN/m ³]
17/15*	26	4,0	SD 30
22/20*	28	4,0	SD 20
27/25*	30	4,0	SD 20
33/30*	32	4,0	SD 15
38/35*	32	4,0	SD 15
43/40*	32	4,0	SD 10
48/45*	32	4,0	SD 10
53/50*	34	4,0	SD 10





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ACUSTIC