



TECHNICAL DATA

**FOOTSTEP SOUND INSULATION BOARDS
GLUCHA BABA EPS-T**
CHARAKTERISTIC

Foamed polystyrene boards GLUCHA BABA EPS-T are marked with code:

for thickness: 17/15 code: EPS-EN 13163-T3-L1-W1-S1-P3-BS50-DS(N)5-SD30-CP2

for thickness: 22/20, 27/25 code: EPS-EN 13163-T3-L1-W1-S1-P3-BS50-DS(N)5-SD20-CP2

for thickness: 33/30, 38/35 code: EPS-EN 13163-T3-L1-W1-S1-P3-BS50-DS(N)5-SD15-CP3

for thickness: 43/40, 48/45, 53/50, 63/60, 73/70 code: EPS-EN 13163-T3-L1-W1-S1-P3-BS50-DS(N)5-SD10-CP3, which confirms compliance with the Standard PN-EN 13163:2004.

These boards are produced by cutting expanded foam blocks.

Available dimensions of boards: 1000x500 [mm].

Board thickness: 17/15, 22/20, 27/25, 33/30, 38/35, 43/40, 48/45, 53/50, 63/60, 73/70 (before loading/after loading).

Edge treatment: square edge.

APPLICATION

- the sound insulation method popularly referred to as "floating floor".

Foamed polystyrene boards GLUCHA BABA EPS-T cannot be applied in direct contact with substances having deteriorating effect on the polystyrene, e.g.: organic solvents such as propanone, benzene, spirits of turpentine, benzene.

TECHNICAL DATA
Declared thermal resistance (RD) for board thickness

Thickness [mm]									
17/15	22/20	27/25	33/30	38/35	43/40	48/45	53/50	63/60	73/70
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

Dimensions and packaging way

Description	Unit of measurement	GLUCHA BABA									
		17/15	22/20	27/25	33/30	38/35	43/40	48/45	53/50	63/60	73/70
Thickness of board (before loading/after loading)	[mm]										
Dimensions of board	Length	[mm]	1000	1000	1000	1000	1000	1000	1000	1000	1000
	Width	[mm]	500	500	500	500	500	500	500	500	500
Coverage area of the board	Length	[mm]	1000	1000	1000	1000	1000	1000	1000	1000	1000
	Width	[mm]	500	500	500	500	500	500	500	500	500
Number of boards in a packet	[szt.]	35	27	22	18	15	13	12	11	9	8
Coverage area of a packet	[m ²]	17,50	13,50	11,00	9,00	7,50	6,50	6,00	5,50	4,50	4,00
Volume of a packet	[m ³]	0,298	0,297	0,297	0,297	0,285	0,280	0,288	0,292	0,284	0,292

Properties

Types of foamed polystyrene boards		GLUCHA BABA EPS-T	
Product code ((indicates declared levels or classes of product properties)	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-T3-L1-W1-S1-P3-BS50-DS(N)5-SD30-CP2 EPS-EN 13163-T3-L1-W1-S1-P3-BS50-DS(N)5-SD20-CP2 EPS-EN 13163-T3-L1-W1-S1-P3-BS50-DS(N)5-SD15-CP3 EPS-EN 13163-T3-L1-W1-S1-P3-BS50-DS(N)5-SD10-CP3	
Declared properties of the product according to PN-EN 13163:2004	Unit of measurement	Requirements or tolerances	
		Codes of classes or levels	Values
Thickness under load 250 kPa (dimensional tolerance class)	[mm]	T3	- 1 + 3
Length (dimensional tolerance class)	[mm]	L1	± 3
Width (dimensional tolerance class)	[mm]	W1	± 3
Rectangularity over the length and width (dimensional tolerance class)	[mm/mm]	S1	± 5/1000
Flatness (dimensional tolerance class)	[mm]	P3	
Levels of bending strength	[kPa]	BS50	≥ 50
Classes of dimensional stability under constant laboratory conditions	[%]	DS(N)5	± 0,5
Dynamic rigidity (thickness-dependent)	MN/m ³	SD30	≤ 30
		SD20	≤ 20
		SD15	≤ 15
		SD10	≤ 10
Compressibility (thickness-dependent)	mm	CP2	≤ 2
		CP3	≤ 3
Declared thermal conductivity coefficient	[W/(m·K)]	[-]	≤ 0,045
Reaction to fire	from A to F	Euroclass	E

Approximate impact sound reduction level ΔL_w [dB] and sound insulation classes of floor

board thickness [mm]	acoustic class of floor	approximate impact sound reduction level L_w [dB]	floor load [kN/m ²]	dynamic rigidity SD [MN/m ³]
17/15*	PP – 26	26	4,0	SD 30
22/20*	PP – 26	28	4,0	SD 20
27/25*	PP – 26	30	4,0	SD 20
33/30*	PP – 28	32	4,0	SD 15
38/35*	PP – 28	32	4,0	SD 15
43/40*	PP – 28	32	4,0	SD 10

* board thickness in mm before loading and after loading

ADMISSION

Declaration of compliance EC nr 34/2009 and 43/2009 with Standard PN-EN 13163:2004.

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