

TECHNICAL SHEET 21.04.02-EN



JUB Clima control boards

Non-combustible insulation boards for humid areas

1. Description

Thermal and/or sound insulation boards made of lightweight concrete with polystyrene fillers.

2. Technical data

Board format (d = 30mm)	780 mm x 600 mm
Board format (d = 50 mm; 60 mm; 80 mm; 100 mm)	1600 mm x 600 mm

3. Resistance

Temperature resistance: 70 ° C long-lasting

4. Standard

EAD 040065-00-2101

5. Quality

The quality characteristics of the product are defined by European standards. We ensure the achievement of the declared or prescribed level of quality with the comprehensive quality management system ISO 9001, which includes daily quality checks of products in our own laboratories. The manufacturer of our products strictly adheres to European standards in the areas of energy efficiency, environmental protection ISO, and ensuring safety and health at work, which we prove with ISO 50001, ISO 14001, and OHSAS 18001 certificates.

6. Usability

- For the restoration of old walls
- For eliminating thermal bridges
- For interior thermal insulation of walls and ceilings
- To prevent the formation of mold

7. Installation

We install thermal insulation boards in accordance with the instructions of the thermal insulation system manufacturers.

8. Packaging

The thermal insulation boards are packaged in a 2.34 m² size, wrapped in transparent PE-film. Each package includes a declaration sheet in accordance with standard SIST EN 13172.

9. Storage

Store in covered areas, separate from heat and flame sources, do not expose to UV rays. Prevent contact with incompatible materials/chemicals.

10. Handling of waste packaging

See safety sheet data.

11. Technical specifications - 1

Technical specifications are listed in table 11.1 in the appendix.

12. Technical specifications - 2

Essential characteristic	Mark	Performance				
Thickness (mm)	d	30	50	60	80	100
Thermal resistance (m ² K/W)	RD	0,49	0,81	0,97	1,30	1,62
Thermal transmittance (W/m ² K)	U	2,05	1,23	1,025	0,769	0,615

13. Certificate

ETA - 25/0922

Designation and date of issue: TDS 010/26-pek, 27.01.2026

11. 1:

N ₀	Key features	Test standard	Test scale	Label	Unit	Result
1	Lenght; width	EN 822	Maximum deviation	l; b	mm	-0/+2; -0/+3
2	Thickness	EN 823	Maximum deviation	d	mm	-0,87 +0,70
3	Rectangularity	EN 824	Maximum deviation	Sb _{max}	mm/m	4
4	Flatness	EN 825	Maximum deviation	S _{max}	mm	2
5	Fire response	EN 13501-1	European classification	-	-	A2-s1, d0
6	Fire resistance of EPS granules	EN ISO 11925-2	Flammability	-	-	E
7	Water vapor permeability	EN 12086	Diffusion Resistance Coefficient	μ	-	5
8	Dimensional stability at temperature and humidity (23°C – 90% RH)	EN 1604	Maximum dimensional change in length	Δε _l	%	-0,01 / +0,1
9			Maximum dimensional change in width	Δε _b	%	-0,01 / +0,1
10			Maximum dimensional change in thickness	Δε _d	%	-0,01 / +0,1
11	Dimensional stability at temperature and humidity (70°C)	EN 1604	Maximum dimensional change in length	Δε _l	%	-0,4 / +0,0
12			Maximum dimensional change in width	Δε _b	%	-0,4 / +0,0
13			Maximum dimensional change in thickness	Δε _d	%	-0,3 / +0,0
14	Compressive stress at 10% compression	EN 826	Maximum clamping under pressure	O ₁₀	kPa	171
15			Minimum clamping under pressure	O ₁₀	kPa	162
16	Deformation under point load	EN 12430	Minimum pressure force at 2 mm	F _p	kN	1,580
17	Tensile strength between concrete and insulation layer	EOTA Testing Regulations	Minimum tensile strength of the adhesive in dry state	O	kPa	81,0
18			Minimum tensile strength of the adhesive in wet state	O	kPa	73,3

19	Tensile strength affirmative elements	EOTA Testing Regulations	Average tensile strength 5% fractile value tensile forces	-	kN	1,061
20				-	kN	0,923
21	Rated sound absorption coefficient	EN ISO 11654	d=100 mm	aw	-	0,6(Kl. C)
22	Flow resistance	EN 29053	Longitudinal flow resistance	r	kPas/m ²	5,6
23	Thermal conductivity	EN 12667	Fragile value	λ	W/mK	0,0615
24			Rated value at 10°C	10,dry,90/90	W/mK	0,0615
25			Rated value	$\Lambda_{23/50}$	W/mK	0,0604
26			Rated value	Λ_{10}	W/mK	0,0627
27	Specific heat capacity	Macrocalori meter	23°C / 50% RH	c _p	J/kgK	1,158
28	Moisture content by mass	EN 12750	23°C / 50% RH	U _{23, 50}	kg/kg	0,0381
29				U _{23, 80}	kg/kg	0,0613
30	Humidity conversion coefficient	EN ISO 10456	Moisture condition in dry -23/50	f _{u, 1} (dry↔23/50)	kg/kg	1,43
31			Moisture condition 23/50 – 23/80	f _{u, 2} (23/50 – 23/80)	kg/kg	1,07
32			Moisture condition in dry -23/80	f _u (dry↔23/80)	kg/kg	1,29
33	Embankment density	EN 1602	Maximum/minimum	pa	kg/m ³	180-204
34	Tensile strength in bending	EN 12089	Minimum bending strength	ob	kPa	105
35	Tensile strength standard up to the plate level	EN 1607	Minimum tensile strength	omt	kPa	80,8
36	Short-term water absorption	EN 1609	Maximum mass increase per m ²	Wp	kg/m ²	2,45
37	Long-term water absorption	EN 12087	Maximum mass increase per m ²	Wlp	kg/m ²	3,40