

**AQUAPANEL®**

**Cement Board Indoor**

*The ideal tile backing board for wet and humid areas*



AQUAPANEL® Cement Board Indoor is a solid, durable tile backing board for interior use. It is made of aggregated Portland cement with coated glass fibre mesh embedded in back and front surfaces.

The ends are cut square and edges are reinforced for extra strength (the EasyEdge®). The panel is 100% water-resistant and resistant to mould and mildew. It is non-combustible and has low installation costs.

## Physical properties

Length (mm)	1200/2400/1250/2500	900/2000/2400/2500/2800/3000
Width (mm)	900	1200
Thickness (mm)	12.5	12.5
Min. bending radius for 900/1200 mm wide board	3	3
Min. bending radius for 300 mm wide strip	1	1
Weight (kg/m <sup>2</sup> )	approx. 15	approx. 15
Dry bulk density (kg/m <sup>3</sup> ) according to EN 12647	approx. 1050	approx. 1050
Bending strength (MPa) according to EN 12647	8.75	8.75
Tensile strength perpendicular to the plane of the board (N/mm <sup>2</sup> ) according to EN 319	0.49	0.49
Shearing strength (N) according to EN 520	696	696
pH-value	12	12
Thermal conductivity (W/mK) according to EN ISO 10456	0.35	0.35
Thermal expansion (10 <sup>-6</sup> K)	7	7
Water vapour diffusion resistance $\dot{E}$ (-) according to EN ISO 12572	50	50
Length variation 65% - 85% humidity (mm/m) according to EN 318	0.25	0.25
Thickness variation 65% - 85% humidity (%) according to EN 318	0.1	0.1
Building material class according to EN 13501	A1 non-combustible	A1 non-combustible

## Characteristics

- Tile backing board for wet and humid areas
- 100% water-resistant
- Ecological and environmentally friendly
- Resistant to mould and mildew
- Strong, robust, impact-resistant
- Can be cut to shape using "score and snap" techniques
- Simple and easy to install
- Can be bent when dry - up to 1 metre bending radius

## Application

AQUAPANEL® Cement Board Indoor is used for construction of indoor walls and ceilings.

Here, it serves as a substrate for tiles or various fillings.

European technical approval ETA-07/0173 has been issued for AQUAPANEL® Cement Board Indoor.

The panel is also certified according to the criteria of the Institute for Building Biology in Rosenheim, Germany, report no. 3006-214.

## Handling and installation

AQUAPANEL® Cement Board Indoor is attached to a vertical stud frame. Depending on requirements it is possible to use single or double-layer planking or a combination with other Knauf construction boards. In the wall area, joints are formed using a strong adhesive. In the ceilings area, joints are formed by means of joint filling and the embedding of a joint tape. All necessary accessories are available in the AQUAPANEL® accessory range.

Installation time - wall: approx. 12 min/m<sup>2</sup> (including screws and joint adhesive).

Installation time - ceiling: approx. 18 min/m<sup>2</sup> (including screws, joint tape and joint filler).

Stud spacing

Wall: 600 (625) mm horizontal installation

Ceiling: 300 (312.5) mm

## Transportation and storage

Always carry boards upright using a board trolley or on a pallet using a forklift truck. When setting the boards down, make sure that corners and edges are not damaged.

The supporting surface must be able to carry the weight of the boards. A pallet of AQUAPANEL(R) Cement Board Indoor applies a floor loading from about 850 to 1650 kg (as delivered).

AQUAPANEL® Cement Board Indoor must be protected from the effects of moisture and weather before installation. Boards that have become damp must be laid flat and dried on both sides before use.

Allow time for the boards to acclimatise to the ambient temperature and moisture conditions before installation. The material, ambient air and background temperature must not be below +5°C.

**Method of delivery**

Width (mm): 900	Width (mm): 1200
• Number of boards:	• Number of boards:
50 pieces per pallet (900 x 1200); (900 x 1250)	50 pieces per pallet (1200 x 900)
25 pieces per pallet (900 x 2400); (900 x 2500)	30 pieces per pallet (1200 x 2000); (1200 x 2400); (1200 x 2500); (1200 x 2800); (1200 x 3000)
• m <sup>2</sup> / Pallet:	• m <sup>2</sup> / Pallet:
900 x 1200, 900 x 2400: 54 m <sup>2</sup> per pallet	1200 x 900: 54 m <sup>2</sup> per pallet
900 x 1250, 900 x 2500: 56,25 m <sup>2</sup> per pallet	1200 x 2000: 72 m <sup>2</sup> per pallet
	1200 x 2400: 86.4 m <sup>2</sup> per pallet
	1200 x 2500: 90 m <sup>2</sup> per pallet
	1200 x 2800: 100.8 m <sup>2</sup> per pallet
	1200 x 3000: 108 m <sup>2</sup> per pallet
Item codes:	Item codes:
50107 (900 x 1200)	103611 (1200 x 900)
87251 (900 x 2400)	139813 (1200 x 2000)
65139 (900 x 1250)	103612 (1200 x 2400)
60396 (900 x 2500)	103613 (1200 x 2500)
	103614 (1200 x 2800)
	139838 (1200 x 3000)

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