



AQUAPANEL®

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AQUAPANEL® Cement Board Indoor

The ideal tile backing board for wet and humid areas

**Be certain,
choose AQUAPANEL®**

AQUAPANEL®

Physical properties

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

Description

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.

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.

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

Handling and installation

AQUAPANEL® Cement Board Indoor is horizontally 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 the AQUAPANEL® Joint Adhesive. In the ceiling areas joints are formed using AQUAPANEL® Joint Filler - grey and embedded AQUAPANEL® Tape. All necessary accessories are available in the AQUAPANEL® accessory range.

Installation time - wall:
approx. 12 min/m² (including screws and joint adhesive).

Installation time - ceiling:
approx. 18 min/m² (including screws, joint tape and joint filler).

Profile spacing:
Ceiling – furring channel max. 300 (312,5) or 450
Please refer to the installation recommendations

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® 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

		w x l (mm)	Item code
Boards/pallet	50 pieces	900 x 1200	50107
		900 x 1250	65139
	30 pieces	900 x 2400	457312
		900 x 2500	457314
Surface/pallet	54 m ²	900 x 1200	50107
	56,25 m ²	900 x 1250	65139
	64,8 m ²	900 x 2400	457312
	67,5 m ²	900 x 2500	457314

		w x l (mm)	Item code
Boards/pallet	50 pieces	1200 x 900	103611
	30 pieces	1200 x 2000	139813
		1200 x 2400	103612
		1200 x 2500	103613
		1200 x 2800	103614
		1200 x 3000	139838
Surface/pallet	54 m ²	1200 x 900	103611
	72 m ²	1200 x 2000	139813
	86,4 m ²	1200 x 2400	103612
	90 m ²	1200 x 2500	103613
	100,8 m ²	1200 x 2800	103614
	108 m ²	1200 x 3000	139838

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AQUAPANEL® is a technologically advanced building system. Because it's a system, it involves clear step-by-step process from design idea to project completion. AQUAPANEL® cement board panels, accessories and services work in unison – you can be certain that your project will all come together as planned.

AQUAPANEL® is a registered trademark.

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