



AQUAPANEL®

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AQUAPANEL® Cement Board Indoor

The ideal tile backing board for wet and humid areas

Physical properties

	1200/1250/2400/2500	900/2000/2400/2500/ 2600/2800/3000	900/2000/2500/2600
Length (mm)	1200/1250/2400/2500	900/2000/2400/2500/ 2600/2800/3000	900/2000/2500/2600
Width (mm)	900	1200	1250
Thickness (mm)	12.5	12.5	12.5
Min. bending radius for 900/1200/1250 mm wide board	1	1	1
Weight (kg/m ²)	approx. 11	approx. 11	approx. 11
Dry bulk density (kg/m ³) according to EN 12467	approx. 750	approx. 750	approx. 750
Bending strength (MPa) according to EN 12467	≥ 7	≥ 7	≥ 7
pH-value	12	12	12
Building material class according to EN 13501	A1 non-combustible	A1 non-combustible	A1 non-combustible
Linear moisture movement 30% to 90% humidity (23±2°C) according EN 12467	Lm = 0.0606%	Lm = 0.0606%	Lm = 0.0606%
Water vapour diffusion resistance according DIN EN ISO 7783	μ = 25	μ = 25	μ = 25
Thermal conductivity (dry) according to DIN EN 12664	λ _{10,tr} = 0.1509 W/(m·K)	λ _{10,tr} = 0.1509 W/(m·K)	λ _{10,tr} = 0.1509 W/(m·K)
Thermal conductivity (wet) according to DIN EN 12664	λ _{23/80} = 0.188 W/(m·K)	λ _{23/80} = 0.188 W/(m·K)	λ _{23/80} = 0.188 W/(m·K)

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 other finishing options.

AQUAPANEL® Cement Board Indoor (Lighter. Easier. Faster.) complies with EN 12467 Category C, Class 2.

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. In addition to horizontal mounting, vertical mounting is also possible. Depending on requirements it is possible to use single or double-layer planking or a combination with other Knauf construction boards.

Two types of joint treatment: joints are formed using the AQUAPANEL® Joint Adhesive (PU) or joints are formed using AQUAPANEL® Joint Filler & Skim Coating – white and embedded AQUAPANEL® Tape (10 cm). All necessary accessories are available in the AQUAPANEL® accessory range.

Installation time - wall:

approx. 12 min/m² (including screws and joint adhesive).

approx. 15 min/m² (including screws, joint filler and tape).

Installation time - ceiling:

approx. 18 min./m² (including screws, jointfiller and tape).

Stud spacing wall: max. 600 (625) mm

Support profiles ceiling: max. 300 mm

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 load on the floor of about 700 kg to 2250 kg (as delivered).

Store boards horizontal and flat. 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	55 pieces	900 x 1200	508258
		900 x 1250	508256
		900 x 2400	508257
		900 x 2500	508259
Surface/pallet	59.4 m ²	900 x 1200	508258
	61.875 m ²	900 x 1250	508256
	118.8 m ²	900 x 2400	508257
	123.75 m ²	900 x 2500	508259

		w x l (mm)	Item code
Boards/pallet	55 pieces	1200 x 900	519752
		1200 x 2000	519758
		1200 x 2400	508267
		1200 x 2500	508268
		1200 x 2600	508264
	45 pieces	1200 x 2800	519767
		1200 x 3000	519750
Surface/pallet	59.4 m ²	1200 x 900	519752
	132 m ²	1200 x 2000	519758
	158.4 m ²	1200 x 2400	508267
	165 m ²	1200 x 2500	508268
	171.6 m ²	1200 x 2600	508264
	151.2 m ²	1200 x 2800	519767
	162 m ²	1200 x 3000	519750

		w x l (mm)	Item code
Boards/pallet	55 pieces	1250 x 900	508261
		1250 x 2000	508263
		1250 x 2500	508266
		1250 x 2600	519759
Surface/pallet	61.87 m ²	1250 x 900	508261
	137.5 m ²	1250 x 2000	508263
	171.88 m ²	1250 x 2500	508266
	178.75 m ²	1250 x 2600	519759

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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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