

This is a translation of the product data sheet valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

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Drywall Systems

K9103\_DSP.de

## AQUAPANEL® Cement Board Outdoor

Cement board for exterior walls and ceilings

Product Data Sheet

2026-02



### Product description

As a robust and non-combustible plaster base board, AQUAPANEL® Cement Board Outdoor is the ideal solution for exterior walls in back-ventilated or directly clad constructions. It forms a substrate that can withstand extreme weather conditions.

The cementitious board consists of aggregated Portland cement and is reinforced with glass fibre mesh on the front and rear faces, where the ends are cut square and edges are reinforced for extra strength (EasyEdge™).

#### Storage

Store on board pallets in a dry environment.

#### Quality

In compliance with ETA-07/0173, the product is subject to initial type testing and continuous factory production control and bears the CE marking.

### Properties and added value

- Ideal alternative to solid construction
- Optimum plaster base board for a diverse range of surface coatings
- Building authority approved for suspended back-ventilated façades and suitable for directly clad constructions
- Stable, robust, impact-resistant and non-combustible
- Weather-resistant and waterproof
- Simple and easy to install
- Flexible surface design
- Non-combustible
- Bendable

### Field of application

Thanks to its particularly robust, weather-resistant and non-combustible properties, it can be used:

- In timber frame and stud construction,
- In building party walls,
- For façade systems and
- For exterior ceilings

The range of applications extends from residential buildings and shopping centres to multi-storey residential or commercial buildings, including back-ventilated and directly clad systems. All in all: the perfect alternative to solid construction.

AQUAPANEL® Cement Board Outdoor can be used in combination with external thermal insulation composite systems (ETICS).



## Application

### Application

<b>Note</b>	All the necessary accessory products are available in the AQUAPANEL® accessories range.
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Knauf AQUAPANEL® Cement Board Outdoor is fastened to vertical stud constructions. The substrate must be selected to suit the structural requirements. Single-layer or multi-layer cladding can be applied depending on the requirement.

<b>Note</b>	<p>Important information for jointing , see Technical Information</p> <ul style="list-style-type: none"> <li>▪ <a href="#">Knauf AQUAPANEL® cladding systems for suspended back-ventilated façades in solid construction AWF02.de</a></li> <li>▪ <a href="#">Knauf Structural Wood Frame Panel Construction Exterior Wall with AQUAPANEL® Cement Board Outdoor AWF03.de</a></li> <li>▪ <a href="#">Knauf Partition Walls in Exteriors with AQUAPANEL® Cement Board Outdoor AWF09.de</a></li> </ul>
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### Application temperature / climate

Before application, the boards must be conditioned to the ambient temperature and ambient moisture levels. Do not apply at room, material or substrate temperatures below +5 °C.

## Technical data

Description	AQUAPANEL® Cement Board Outdoor	Unit	Standard
Board type Germany	Class 2	Category B	DIN 12467
Reaction to fire	A1, non-combustible	Category	EN 13501
Thermal conductivity $\lambda$	0.35	W/(m·K)	EN ISO 104456
Thermal expansion	7	$10^{-6} K^{-1}$	EN ISO 104456
Density (dry)	approx. 1150	kg/m <sup>3</sup>	EN 12467
Flexural strength	9.6	MPa	EN 12467
Tensile strength perpendicular to the board level	0.65	N/mm <sup>2</sup>	EN 319
Shear strength	607	N	EN 520
pH value	12	–	–
Water vapour diffusion resistance $\mu$	66	–	EN ISO 12572
Length variation from 65% to 85% humidity	0.2	mm/m	ETA 07/0173
Length variation from 65% to 30% humidity	-0.4	mm/m	ETA 07/0173
Thickness variation from 65% to 85% humidity	0.02	%	ETA 07/0173
Thickness variation from 65% to 30% humidity	-0.04	%	ETA 07/0173
Bending radius dry, board width 900/1250 mm	$r \geq 3000$	mm	–
Bending radius dry, strip width 300 mm	$r \geq 1000$	mm	–
Field of application	Exterior	–	–

## Product variants

Description	Width mm	Length mm	Thickness mm	Delivery weight approx. kg/m <sup>2</sup>	Packaging unit	Material number	EAN
AQUAPANEL® Cement Board Outdoor 12.5	900	1250	12.5	16.0	50 pieces / pallet 56.25 m <sup>2</sup> / pallet	00083527	4260021860496
	900	1250	12.5	16.0	30 pieces / pallet 33.75 m <sup>2</sup> / pallet	00699804	4260021865033
	900	2500	12.5	16.0	30 pieces / pallet 67.5 m <sup>2</sup> / pallet	00457319	4260021862872
	1250	2000	12.5	16.0	30 pieces / pallet 75 m <sup>2</sup> / pallet	00291669	4260021862490

## Sustainability and environment

Short description	Description	Value	Unit
EPD Environmental Product Declaration	Board thickness 12.5	EPD-KNQ-20240283-IBB2-EN	–
DGNB New building Version 2018	ENV 1.2	Not relevant for evaluation	–
DGNB New building Version 2023	ENV 1.2	Not relevant for evaluation	–
QNG Version 2023	Annex 3.1.3	Not relevant for evaluation	–
SVHC	Substances of very high concern acc. to REACH ≤ 0.1 percent by mass.	fulfilled	–



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