

KNAUF

AQUAPANEL®

AQUAPANEL® Cement Board Roofing

AQUAPANEL® Cement Board Roofing is a lightweight cement board made of aggregated Portland cement, with a coated glass fibre mesh embedded in the back and front surfaces.

Product-Data-Sheet

Build on us.



Areas of Application

AQUAPANEL® Cement Board Roofing is used in commercial low-slope roofing systems, and flat roof applications. It enhances roof system performance in several ways and functions:

As a 6mm cover board installed between the insulation and the waterproofing layer:

- Protects roof insulation underneath
- Reduces stress on the membrane
- Adds structural strength to the entire roof system
- Provides a robust basis for accessible and ballasted roofs

As a 12.5mm substrate board installed directly onto the steel deck acting as:

- Substrate for the vapor barrier
- Basis for the roofing constructors to work on

Compliance Standards

EN 12467 Category D + EN 13501-1

Key Benefits

- Recommended for accessible roofs
- Strong, robust, impact-resistant and durable
- High compressive strength
- Unaffected by exposure to moisture
- Non-combustible (class A1)
- Can be cut to shape using “score and snap” technique
- Simple and easy to install
- Lighter, 6mm deep cement board is available for roof applications (8kg/m²)

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Performance Data

Thickness (mm)	Reaction to Fire (R2F)	Thermal Conductivity (W/mK) (EN ISO 10456)	Flexural Strength (Mpa) (EN 12467)	Density (kg/m ³)	Dangerous Substances	Water Vapour Diffusion (μ) (EN ISO 12572)	Mechanical Resistance
6	A1	0.34	≥ 7	1250	NPD	48	Class 2
12.5	A1	0.34	≥ 7	1150	NPD	66	Class 2

Technical Information

Thickness (mm)	Width (mm)	Length (mm)	Edge Type	Colour	Weight (kg/m ²)	Material Number
6.0	900	2400	EasyEdge™	Grey	8.5	597339
12.5	900	2400	EasyEdge™	Grey	16.5	597052

Sustainability

Total Recycled Content

3-10%

Substances of very high Concern (SVHC)

At the time of publication, under REACH UK and REACH EU regulations this product contains no SVHC. For more information please consult the Safety Data Sheet.

Storage and Handling

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 Rooftop 6 mm (12.5 mm) applies a floor loading from about 950 (900) to 1750 (1450) kg (as delivered).

AQUAPANEL® Cement Board Rooftop must be protected from the effects of moisture and weather before installation. Boards that have become damp must be 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

Packaging

Packed on an IPCC pallet.

Disposal

Disposal should be in accordance with local authorities.

Health & Safety

Please refer to our Safety Data Sheet for guidance on Personal Protection Equipment required for the handling and installation of this product.

Application / Installation

The usage of AQUAPANEL® Cement Board Rooftop as a component in low slope roofing systems and flat roofs is the responsibility of the design professional. Consult a system supplier for recommendations on all applications.

AQUAPANEL® Cement Board Rooftop is attached to the surrounding layers inside the roof system. It can be mechanically fastened or adhered. During the planning phase the wind loads have to be considered.

AQUAPANEL® Cement Board Rooftop is suited for a variety of rigid roof insulation and membranes like single-ply, modified bitumen or liquid membranes.

Consult manufacturer for specific instructions on how to use and install their products with AQUAPANEL® Cement Board Rooftop.

Additional Documentation

[Declaration of Performance CE](#)

[Safety Data Sheet](#)

Certification

[Environmental Product Declaration](#)

Product Accreditations:



Knauf UK GmbH Company Accreditations:



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