



AQUAPANEL® Cement Board Rooftop

The ideal, high-performing board in low-slope commercial roofing.
Adds structural strength and durability to your roofing investment.



Physical properties

	6		12.5	
Thickness (mm)				
Length (mm)	1200/2400	900/2400	1200/2400/2250	2400
Width (mm)	900	1200	900	1200
Weight (kg/m ²)	approx. 8.5		approx. 16.5	
Dry bulk density (kg/m ³) according to EN 12467	1250		1150	
Bending strength (MPa) according to EN 12467	≥ 7		≥ 7	
Thermal conductivity (W/mK) according to EN ISO 10456	0.34		0.35	
Thermal expansion (10 ⁻⁶ K ⁻¹)	7		7	
Water vapour diffusion coefficient μ (-) according to EN ISO 12572	48		66	
Length variation 65% - 85% humidity (mm/m) according to EN 318	0.38		0.23	
Mold resistance	No growth (IBR certified)		No growth (IBR certified)	
pH-Value	12		12	
Building material class according to EN 13501	A1 non-combustible		A1 non-combustible	

Description

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

AQUAPANEL® Cement Board Rooftop is moisture and mold resistant, non-combustible and robust, adding structural strength and durability to the entire roofing system. It meets the requirements of category D, class 2 in compliance with EN 12467.

It is available in two different thicknesses (6 mm and 12.5 mm) and various dimensions.

The ends are cut square and edges are reinforced for extra strength (the EasyEdge®). The panel provides a solid base that withstands extreme weather conditions.

Application

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

- As a 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 substrate board installed directly onto the steel deck acting as:
 - substrate for the vapor barrier
 - basis for the roofing constructors to work on

Characteristics

- Recommended for accessible roofs
- Strong, robust, impact-resistant and durable
- High compressive strength
- Weather and 100% water-resistant
- non-combustible (class A1)
- Can be cut to shape using "score and snap" technique
- Simple and easy to install
- Lightest cement board for roof applications (6mm)

Handling and installation

The usage of AQUAPANEL® Cement Board Rooftop as a component in low-slope roofing systems 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 manufacturers for specific instructions on how to use and install their products with AQUAPANEL® Cement Board Rooftop.



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 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.

Method of delivery

Thickness	Boards/pallet	Width x Length (mm)	Item-Code
6 mm	100 pieces	900 x 1200	597109
	70 pieces	900 x 2400	597339
	100 pieces	1200 x 900	600854
	70 pieces	1200 x 2400	600857

Surface/pallet

108 m ²	900 x 1200	597109
151.2 m ²	900 x 2400	597339
108 m ²	1200 x 900	600854
201.6 m ²	1200 x 2400	600857

Thickness	Boards/pallet	Width x Length (mm)	Item-Code
12.5 mm	50 pieces	900 x 1200	596563
	30 pieces	900 x 2400	597052
	30 pieces	900 x 2250	609655
	30 pieces	1200 x 2400	600848

Surface/pallet

54 m ²	900 x 1200	596563
64.8 m ²	900 x 2400	597052
60.75 m ²	900 x 2250	609655
86.4 m ²	1200 x 2400	600848

AQUAPANEL®

www.AQUAPANEL.com

aquapanel.info@knauf.com

AQUAPANEL® is a registered trademark.

Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, 58638 Iserlohn, Germany