



AQUAPANEL®

10/2015

AQUAPANEL® Cement Board Universal

1200 x 2400 x 8 mm / EN 12467

The ideal board for interior and exterior construction



Weight of only 8 kg per m² for easier handling and reduced transportation costs



Water, mould and mildew resistance and low moisture absorption



High dimensional stability



A1 non-combustible



Bending radius of up to 1 m (full board size)



Easier to score & snap



No pre-drilling required



Safe to use, hygienic, sustainable and asbestos-free



EasyEdge™, for stronger edges that won't break

**Be certain,
choose AQUAPANEL®**

AQUAPANEL®



Physical properties

| | |
|---|---------------------|
| Length (mm) | 2400 |
| Width (mm) | 1200 |
| Thickness (mm) | 8 |
| Min. bending radius (m) | 1 |
| Weight (kg/m ²) | approx. 8.0 |
| Dry bulk density (kg/m ³) | approx. 850 |
| Bending strength (MPa) | > 7 |
| pH-value | 12 |
| Building class material according to EN 13501 | A1, non-combustible |

Application

AQUAPANEL® Cement Board Universal of 8 mm thickness* is used in exterior and interior construction. In interior construction AQUAPANEL® Cement Board Universal is used as tile backer and is limited to the wall heights of 2750 mm and the tile weight of 30 kg/m² wall. In exterior construction the usage of the AQUAPANEL® Cement Board Universal is diverse. It can either be

1. Directly applied in steel frame constructions with an OSB as substrate.
2. Applied as cladding on a steel and timber substructure, e.g. for renovation projects with concrete or brick and block as substrate.
3. Applied for small coverings, e.g. for panelling of beams or duct work, vertical fascia, projecting roof, air-conditioning or similar areas.

A suitable surface treatment (finish) for the application on top of AQUAPANEL® Cement Board Universal has to be chosen (e.g. suitable render system).

Substructures in exterior applications have to be stable enough to carry the board and further required loads. In general the board is limited in exterior applications to low-rised buildings (approx. 12 m) and 1.0 kN/m² wind-load.

Characteristics

- Thin and light material, easy to handle and install
- 100% water-resistant
- Resistant to mould and mildew
- Perfect surface for tiling and other finish options
- Ecological and environmentally friendly building material
- Light and non-combustible
- Can be cut to shape using "score and snap" techniques
- Bendable in the dry state – bending radius ≥ 1 metre

Method of delivery

| | | W x L (mm) |
|----------------|----------------------|-------------|
| Boards/pallet | 60 pieces | 1200 x 2400 |
| Surface/pallet | 172.8 m ² | 1200 x 2400 |
| Item code | 511836 | 1200 x 2400 |

Description

AQUAPANEL® Cement Board Universal of 8 mm thickness* is a water-resistant building panel made of aggregated Portland cement with coated glass fibre mesh embedded in back and front surfaces. It offers all the benefits of a dry panel.

The ends are cut square and edges are reinforced for extra strength (the EasyEdge™). The thin and extremely light panel provides a solid base that is easy to install in interior and exterior applications. The 8 mm board is non-combustible (A1 building material class).

Handling and installation

1. When using AQUAPANEL® Cement Board Universal of 8 mm for cladding and as tile backing it needs to be attached to a timber or metal stud frame. The substructure should be selected according to the statics requirements.

Stud spacing for walls and tile backer: max. < 400 mm

2. When using AQUAPANEL® Cement Board Universal of 8 mm for small coverings and as direct application on steel-frame housings the stud spacing should be calculated separately depending on the project.
3. Further please follow the manufacturers recommendations/ instructions of the system provider (steel frame housing / OSB) e.g. in case of weather protection.

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. AQUAPANEL® Cement Board Universal of 8 mm thickness* must be protected from the effects of moisture and the weather prior to 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 ambient, material and background temperature must not be below +5 °C.

* Depending on the project-specific requirements, the use of the AQUAPANEL® Cement Board Indoor of 12.5 mm or AQUAPANEL® Cement Board Outdoor of 12.5 mm thickness in interiors and exteriors should be assessed.

AQUAPANEL®

www.AQUAPANEL.com

info@AQUAPANEL.com

© 2015 EN-10/15

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.

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

All technical changes reserved. Only the current printed instructions are valid. Our warranty is expressly limited to our products in flawless condition. The constructional and structural properties and characteristic building physics of Knauf systems can solely be ensured with the exclusive use of Knauf system components, or other products expressly recommended by Knauf. All application quantities and delivery amounts are based on empirical data that are not easily transferable to other deviating areas. All rights reserved. All amendments, reprints and photocopies, including those of excerpts, require the express permission of Knauf USG Systems GmbH & Co. KG, Zur Helle 11, 58638 Iserlohn, Germany.