

Technical Data Sheet AQUAPANEL® Cement Board Rooftop

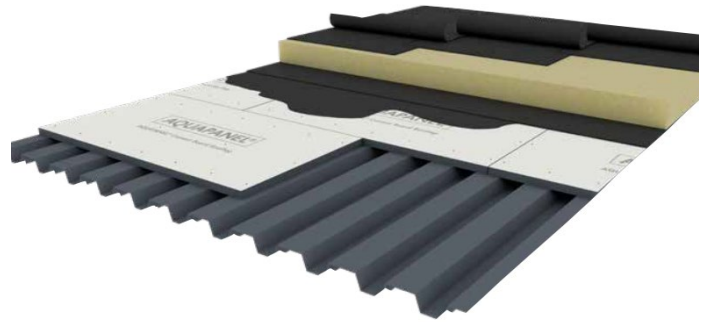
Product Description / Use:

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

It 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.

12.5mm thick and available in various board sizes.

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.



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

Certification:



BBA-UKTA-0836-22/6407.
Can be used as part of an FM Approved system.

System Fire Testing:

Test Standard: CEN/TS 1187: 2012

Classification Standard: BS EN 13501-5: 2016 *

* Determination of external fire performance is a system test which will be influenced by the components within the roofing system.

Whilst AQUAPANEL® Cement Board Rooftop can be included in compliant B_{ROOF} systems, always check with MOY Technical Services for the very latest information on fire testing carried out.



Technical Data Sheet AQUAPANEL® Cement Board Rooftop

Technical Properties:

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

Additional detailed product characteristics for this product are given in Declaration of Performance (DoP).

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

Installation and handling:

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

AQUAPANEL® Cement Board Rooftop is suited for a variety of rigid roof insulation and waterproofing membranes like single-ply, modified bitumen or liquid applied membranes. Consult the project specific specification or MOY Technical Services for details.

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 12.5mm applies a floor loading from about 900 to 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.



Technical Data Sheet AQUAPANEL® Cement Board Rooftop

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.

Disposal:

Information for this product is given in the Safety Data Sheet.

MOY Materials Ltd has taken care to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact MOY Technical to check whether there have been any changes to the information since publication of the literature. Please ensure you have read the hazard labels and material safety data sheet before using this product.