



Aquaroc Fibre Cement Board

Product Datasheet

Aquaroc[™]



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Description

Characteristics

Aquaroc is an asbestos-free, cellulose fibre reinforced cement board that is very dense with a non-porous surface. The excellent moisture resistant characteristics and mechanical strength of Aquaroc cement board makes it an ideal tile backer board that can be used in wet areas such as kitchens, bathrooms, shower areas and even spa centres.

Applications

Aquaroc Fibre cement board is suitable as a base for tiling in wet areas. It can also be used for external soffits in sheltered positions.

Board colour

■ Light grey colour

Board printing

Reverse – Standards, date, board dimensions, edge type, company name and logo.

Board Range

Width (mm) ¹	Length (mm) ²	Edge Type
6mm Kg/m ² = 8.25 R (m ² K/W) = 0.21		
1200	2400	S/E*
12mm Kg/m ² = 16.60 R (m ² K/W) = -		
1200	2400	S/E*
15mm Kg/m ² = 20.75 R (m ² K/W) = -		
1200	2400	S/E*

S/E = Squared Edge

¹Other widths available upon request

²Other lengths available upon request

* Note: Recessed edge boards are available upon request.

Standards

ASTM C1186 - Type B Grade 2 – Standard specification for flat fibre cement sheets

Board Performance

Reaction to fire test performance

Standard	Performance
ASTM E84	Class 1
BS 476 : Part 4	Non-combustible
BS 476 : Part 7	Class 1

Thermal conductivity

Aquaroc fibre cement board - 0.21W/mK for 6mm boards

Effect of Temperature

Aquaroc fibre cement board is not recommended to be stored in temperature above 50°C for prolonged period but can be subjected to freezing conditions without risk of damage.

Effect of condensation

Aquaroc fibre cement board is vapour permeable, however, should the vapour condenses on the surface, the board will retain its strength.

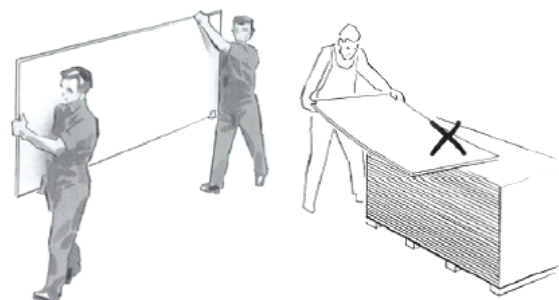
Installation

General

It is important to observe appropriate health and safety legislation when working on site i.e. personal protective clothing and equipment etc. The following notes are intended as general guidance only. In practice, consideration must be given to design criteria requiring specific project solutions.

Handling

The boards should always be handled by two people and be carried on their edge. At no time should the boards be lifted flat by one of its ends. When lifting a board, the long edge should be kept in contact with the stack.



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Installation

Cutting

Aquaroc fibre cement board can be cut using a carpenter's hand saw or electrically operated circular saw.

Fixing

Aquaroc fibre cement board should be placed on the appropriate Gypframe components with the printed face pointing outward, and then fixed using counter sinking self-tapping screws positioned at 200mm centres, on all framing members, and at no less than 10mm from the edge of the board. When used in a ceiling application, expansion joints should be placed at regular intervals.

The length of the screws should be 2.5 to 3 times the thickness of the board.

Finishing

Jointing

Aquaroc fibre cement board can be jointed and finished using Gyproc paper tape and Gyproc Jointing Compound to give a seamless look.

Skimming

Aquaroc fibre cement board can be skimmed using GypFine MultiSkim for a smooth finish and can be decorated with most types of paints, textures and wall papers.

Health and Safety

1. Identification of the substances / preparation and company

Aquaroc fibre cement board

Supplier Saint Gobain Gyproc Emirates Industries L.L.C
ICAD 1
Mussafah, Abu Dhabi
United Arab Emirates
P.O. Box 38983

Free Phone 800 GYPROC (497762)

Recommended uses: Aquaroc fibre cement boards can be used in internal linings specially in wet rooms. They can also be used in semi-exposed areas.

2. Composition / information on ingredients

Material	Weight %
Cellulose	7 – 12
Silica	15-40
Portland cement	30 to 40
Pulverised fuel ash	15 to 40

3. Hazards identification

THE MOST IMPORTANT HAZARDS ARE:

These products are not classified as dangerous according to CHIP. Dust from sawing or sanding may irritate the respiratory system, skin and eyes.

4. First aid measures

Eye Contact Wash eyes with clean water.

Skin contact Wash thoroughly with soap and water.

Ingestion

DO NOT INDUCE VOMITING. Rinse out mouth thoroughly and give plenty of water.

Inhalation

If irritation occurs, remove person to fresh air.

General

Get medical attention if any symptoms persist.

5. Fire fighting measures

The products do not pose a fire hazard. However, some packaging materials or facings may burn.

Suitable extinguishing media – water, foam, carbon dioxide or dry powder.

6. Accidental release measures

Not applicable.

7. Handling and storage

Board storage

The boards must be stored on a firm level ground to maintain stability. Also ensure that stacks are both level and vertical, sheltered from frost and direct sunlight in dry conditions.

The boards are supplied covered. It is advisable to keep them covered on site for as long as possible, even when the stack is in use.

Use – Minimise dust generation when sawing or sanding in poorly ventilated places. Avoid eye contact - see Section 8 for recommended personal protective equipment and Section 3 for hazards identification.

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Health and Safety

Manual handling – Sheets of cement board can be unwieldy, use an appropriate lifting technique. The weight of each sheet can vary between products. For manual handling purposes assume the following:

Aquaroc fibre cement board weights

Board	Board Thickness mm	Board Width mm	Board Length mm	Board Weight kg
Aquaroc Fibre Cement Board	6	1200	2400	23.90
Aquaroc Fibre Cement Board	12	1200	2400	47.81
Aquaroc Fibre Cement Board	15	1200	2400	59.76

NB: All weights are approximate.

Mechanical handling – The dimensions of the pallet vary depending on the product size. To avoid potentially overloading a lift truck, it is important that any effect on load centres is considered. The nominal weight of each palletized load is given within the weights table in this section of this document.

NB: When working with individual boards, only work from a single pallet, not a stack.

Pallet stacking heights

The maximum stack heights on level concrete floors and vertical stacks are as follows:-

Recommended storage height for flat sheets is up to 1 metre per stack

8. Exposure control / personal protection

Personal protection

Respiratory Use in a well ventilated area. Where practicable use engineering methods to control dust levels. If the exposure standards could be exceeded use a disposable face mask complying with EN 149 FFP2.

Skin Wear appropriate clothing to protect against repeated or prolonged skin contact.

Eye If there is a risk of material entering the eye, wear eye protection to BS EN 166.

9. Physical and chemical properties

Appearance Flat sheet boards in different widths and thicknesses, with a square edge.

10. Stability and reactivity

No special physical conditions need to be avoided. No specific restrictions regarding incompatible materials.

11. Toxicology information

Acute Effects:

Direct contact may cause eye, skin, and/or respiratory irritation during cutting if personal protective equipment is not used.

Chronic affects / carcinogenicity

Fibre cement boards do not release inhalable dust in their installed state and therefore do not present any known health hazards when installed and properly maintained.

12. Ecological information

Fibre cement boards will not degrade in the ground.

13. Disposal consideration

Waste from cement products is normally classified as 'non-hazardous' but should not be co-disposed with municipal waste. Dispose at an authorized landfill site in accordance with the local waste management regulation.

14. Transport information

Not classified as hazardous for transportation but boards must be covered with polythene or tarpaulin cover. The edges must be protected with corner / edge plastic sections.

15. Regulatory information

Not classified under the CHIP regulations.

16. Other information

Regulation no. EI004 Solid Hazardous materials 1st Edition January 2010 Abu Dhabi Environment, Health and Safety Management System Regulations Framework (ADEHSMS)

The Gyproc website: www.gyproc.ae

THE Middle East WHITE BOOK

Note to user:

This Product Data Sheet does not constitute a workplace risk assessment for COSHH.

There are a number of situations where the approach to manual handling of Gyproc products should be considered. For further guidance, please refer to the Middle East WHITE BOOK.

Gyproc reserves the right to revise product specifications without notice. The information in this document was correct to the best of our knowledge at the time of publication. It is the user's responsibility to ensure that it remains current prior to use. The information in this document is for guidance only and should not be read in isolation. Users should read and familiarize themselves with all the information contained in this document and ensure that they are fully conversant with the products and systems being used, before subsequent specification or installation.



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