



Aquaroc[®] FC

Fibre Cement Board

Technical & Safety Datasheet



DESCRIPTION

Characteristics

Aquaroc® FC board is an asbestos-free, dense cellulose fibre reinforced cement boards. The excellent moisture resistant characteristics and mechanical strength of Aquaroc® FC 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® FC board is suitable as a base for tiling in wet areas. It can also be used for external and semi-exposed applications.

Board colour

■ Light grey colour

Board printing

Face - Standards, date, time and location of manufacture, board dimensions & edge type.

Board range

Width ¹ mm	Length ² mm	Edge type
6mm board		$Kg/m^2 = 9.4$ $R (m^2K/W) = 0.03$
1200	2400	Square Edge*
9mm board		$Kg/m^2 = 13.5$ $R (m^2K/W) = 0.04$
1200	2400	Square Edge*
12mm board		$Kg/m^2 = 18.0$ $R (m^2K/W) = 0.06$
1200	2400	Square Edge*
15mm board		$Kg/m^2 = 23.0$ $R (m^2K/W) = 0.07$
1200	2400	Square Edge*

¹ Other widths available upon request

² Other lengths available upon request

* Note: Recessed edge boards are available upon request

MANUFACTURING STANDARDS

ASTM C1186

Type A Grade II - Standard specification for flat fibre cement sheets

BOARD PERFORMANCE

Reaction to fire test performance

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

Thermal conductivity (l)

0.21W/mK

Effect of temperature

Aquaroc® FC 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 moisture, condensation & wetting

Aquaroc® FC board is vapour permeable. Subsequently, the mechanical strength of the board is retained as per the applicable standards listed above.



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.

Cutting

Aquaroc® FC board can be cut using a circular saw with suitable blade.

Spacing between boards

A minimum gap of 3mm between all board edges should be considered to allow for board expansion.

Fixing

Aquaroc® FC boards should be marked, countersunk and fixed at no less than 10mm from board edges to all framing members using Gyproc Jack-Point screws. For partitions, insert screws at maximum 300mm centres in both the field of the board and around board edges. For ceilings, insert screws at 230mm maximum centres in the field of boards and 150mm maximum centres at board ends.

Finishing

• Internal applications

Aquaroc® FC board is suitable for use in wet area applications such as bathrooms, kitchens etc.

Finishing advice

Tiling: Jointing not required. Tiling weights, inclusive of adhesive of up to 60kg/m² can be accommodated. It is recommended to use a type C adhesive (in accordance with EN 12004).

Painting: Joint the boards using a specialist jointing compound by others. After the joint treatment has dried, decoration including any decorator's preparatory work should follow.

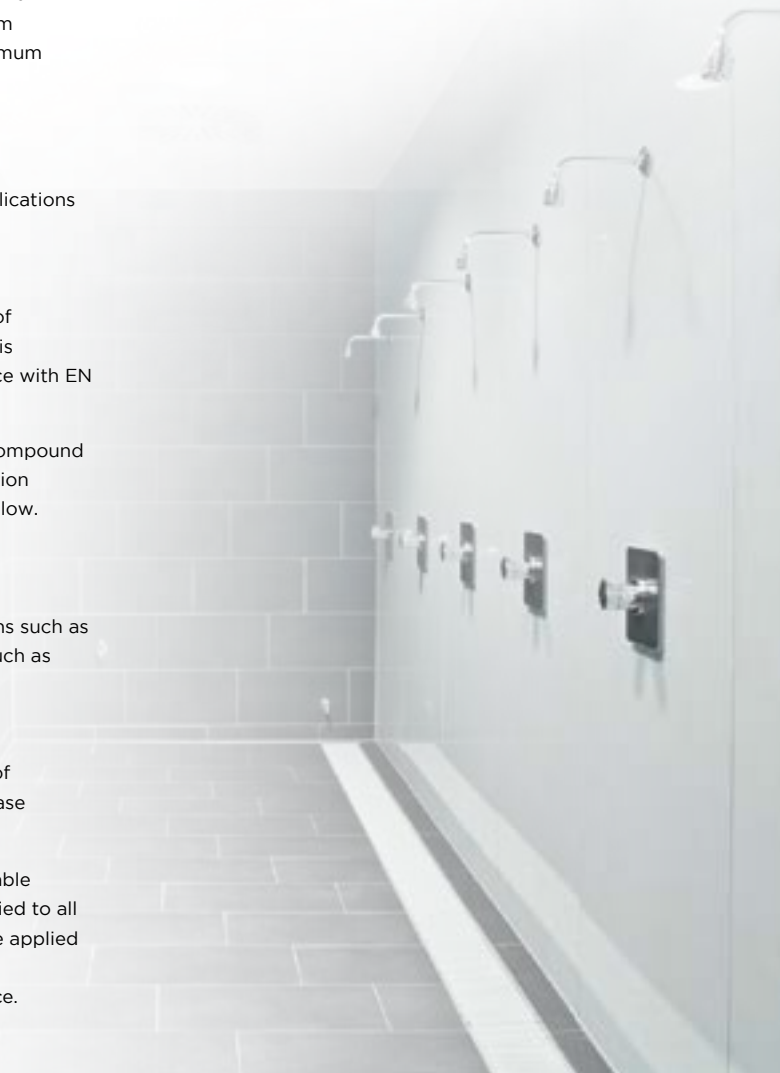
• External and semi-exposed applications

Aquaroc® FC board is suitable for exposed applications such as external wall linings and semi-exposed applications such as balcony soffit linings.

Finishing advice

Rendering: Aquaroc® FC board can receive a variety of rendered finishes to provide a monolithic surface. Please contact Saint-Gobain Weber for details.

Painting: Visible joints should be implemented. A suitable polyurethane, hybrid or similar sealant should be applied to all board edges. External type primers and paints may be applied directly to Aquaroc® FC board. Please follow paint manufacturers recommendations for application advice.



AQUAROC® FC BOARD

MATERIAL SAFETY DATASHEET



HEALTH & SAFETY

1. Identification of the substances/ preparation and company

Aquaroc® FC board

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

Free Phone: +971 800 GYPROC (497762)

E-Mail: gyproc-me@saint-gobain.com

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

2. 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.

3. 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.

4. 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.

5. Accidental release measures

Not applicable.

6. 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

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® FC board weights

Product	Board thickness mm	Board width mm	Board length mm	Board weight kg
Aquaroc® FC board	6	1200	2400	27
	9	1200	2400	39
	12	1200	2400	54
	15	1200	2400	67

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

7. 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 S39 - Wear eye / face protection.
Eye protection to BS EN 166.

8. Physical and chemical properties

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

9. Stability and reactivity

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

10. Toxicology information

Acute Effects

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

AQUAROC® FC BOARD

MATERIAL SAFETY DATASHEET



HEALTH & SAFETY (CONTINUED)

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.

11. Ecological information

Fibre cement boards will not degrade in the ground.

12. 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.

13. 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.

14. Regulatory information

Not classified under the CHIP regulations.

15. 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:

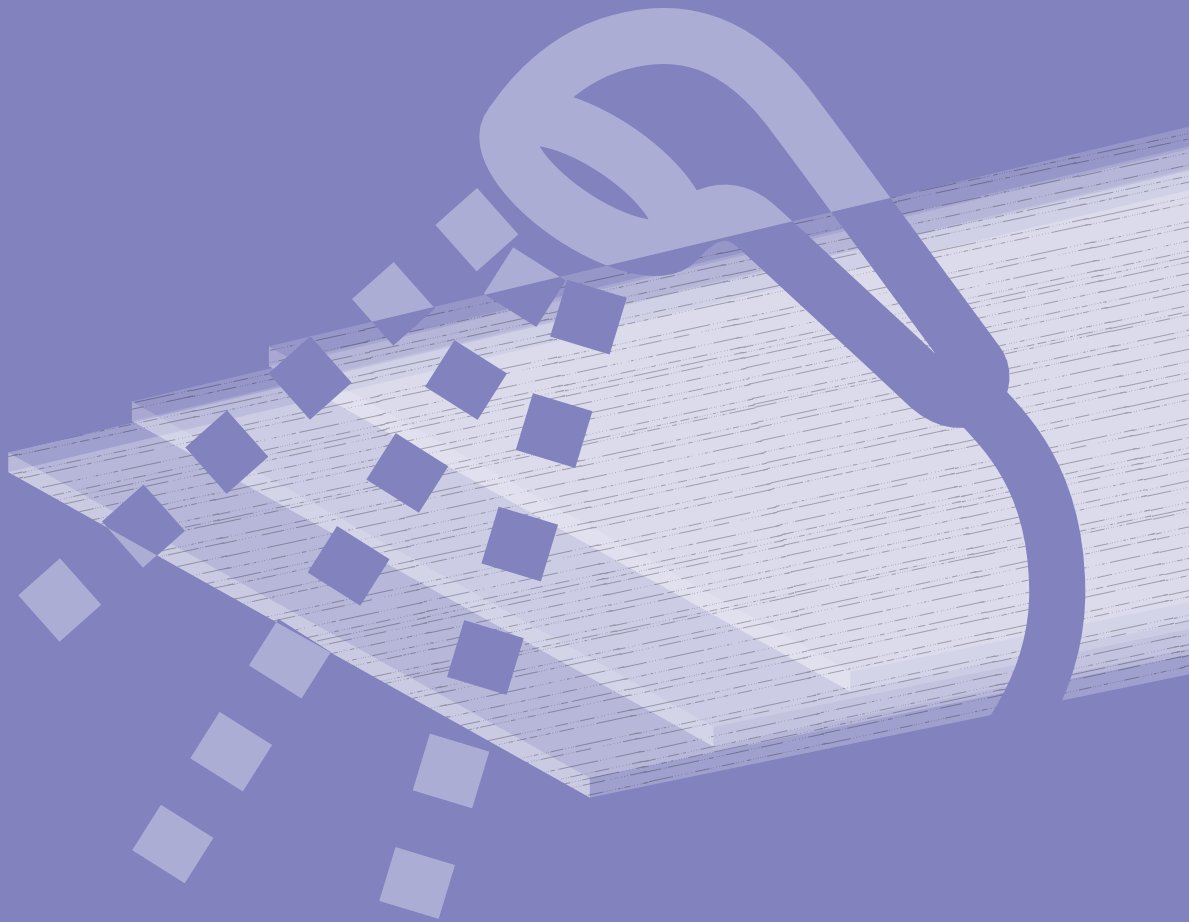
This Product Data Sheet does not constitute a workplace risk assessment for COSHH.

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.



SpecSure™ is a unique 'off the shelf' warranty to end users that confirms Gyproc proprietary systems will perform to the parameters published in our current literature from the day they are installed.

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Saint-Gobain Gyproc Middle East FZE
P.O.Box 261107
Dubai • UAE
Tel: + 971 (4) 814 3666

Saint-Gobain Gyproc Emirates Industries LLC
P.O.Box 38983
ICAD 1, Mussafah
Abu Dhabi • UAE

www.gyproc.ae

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