



Gyproc CoreBoard

Technical Datasheet

Gyproc CoreBoard

Product data sheet



Introduction

Characteristics

A 19mm thick version of Gyproc FireStop MR board Gyproc CoreBoard consists of an aerated gypsum core with glass fibre, water repellent and other additives encased in, and firmly bonded to strong paper liners. Gyproc CoreBoard is a plasterboard that is suitable for drylining internal surfaces.

Applications

Used as the main board in the Gyproc ShaftWall system to provide fire protection with temporary moisture protection during construction.

Board colour

- Green face paper
- Green reverse side paper

Board printing

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

Board range

Width mm	Length mm*	Edge Type
19mm board	$\text{Kg/m}^2 = 16$ $R (\text{m}^2\text{K/W}) = 0.08$	
598	3000	S/E

S/E = Square Edge

* Other lengths available on request

Finishing

Board Type

S/E - For use within 600 mm of Gypframe sections

Repair

Minor damage - Lightly sand the surface to remove burrs and fill flush with two applications of Gyproc Jointing Compound. When dry decorations including any decorator's preparatory work should follow.

Deep indents resulting from impact - Check the plasterboard core to ensure that it is not shattered. If intact, apply a coat of Gyproc Jointing Compound, followed by the procedure for repairing minor damage, once set/dry.

Extensive damage - When the damage is more extensive, it may be necessary to replace that area of plasterboard. It is important that the replacement board is of the same type as specified and installed. Cut out the affected area back to the nearest framing member. Replace the plasterboard accurately cutting and fixing the same type and thickness of Plasterboard.

Standards

EN 520: 2004 Gypsum Plasterboards, definitions, requirements and test methods

Type D: Gypsum plasterboard with controlled density.

These boards have a controlled density, with a face to which suitable decoration if required may be applied. This enables improved performance in certain applications to be obtained.

Type F: Gypsum plasterboard with improved core adhesion at high temperatures.

Plasterboard with a face to which suitable decoration may be applied. These boards have mineral fibres and/or other additives in the gypsum core to improve core cohesion at high temperatures.

Type H1: Plasterboard with reduced water absorption rate.

Boards which have additives to reduce the water absorption rate. They may be suitable for special applications in which reduced water absorption properties are required to improve the performance of the board. For the purposes of identification, these boards are designated Type H1, H2 and H3, with different water absorption performance.

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Board Performance

Fire protection

Plasterboard linings provide good fire protection owing to the unique behaviour of the non-combustible gypsum core when subjected to high temperatures. The inclusion of glass fibre and other additives in the core of Gyproc CoreBoard improves its fire protection properties when compared to standard plasterboard.

Fire resistance

Please refer to the appropriate WHITE BOOK product or systems section for information on the fire resistance of building elements lined with Gyproc CoreBoard.

Effect of temperature

Gyproc CoreBoard is unsuitable for use in areas subject to continuously damp or humid conditions and must not be used to isolate dampness. Plasterboards are not recommended to be stored in for use in temperatures above 49°C but can be subjected to freezing conditions without risk of damage.

Effect of condensation

Designers should take care to eliminate all possibility of problems caused by humidity and condensation, particularly in refurbishment projects.

Reaction to fire test performance

Standard	Performance
BS 476: Part 6: 1989 Method of test for fire propagation for products.	Index of performance (I) not exceeding 12 and a sub-index (i1) not exceeding 6.
BS 476: Part 7: 1997 Surface spread of flame tests for materials.	Class 1 (both sides)
EN 520: 2004	Classified without further testing as A2-s1, d0

Thermal conductivity

Gyproc CoreBoard - 0.24W/mK

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

Manual off-loading of this product should be carried out with care to avoid unnecessary strain. For further information please refer to the Manual Handling section of the WHITE BOOK.

Cutting

The product may be cut using a plasterboard saw or by scoring with a sharp knife and snapping the board over a straight edge. When cutting boards, power and hand tools should be used with care and in accordance with the manufacturer's recommendations. Power tools should only be used by people who have been instructed and trained to use them safely. Appropriate personal protective equipment should be used.

Fixing

CoreBoard's primary use is to line the shaft side of the Gyproc ShaftWall system. The boards are fitted into place from the room side with the 598mm dimension closely fitted between the Gypframe 'I' studs which are installed at 600mm centres. The CoreBoard is secured in place by clipping into the back of the 'I' stud using the appropriate retaining channel.

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Health & Safety

1. Identification of the substances / preparation and company

Gyproc plasterboards

Gyproc Regular
Gyproc Moisture Resistant
Gyproc DuraLine
Gyproc FireStop
Gyproc FireStop ^{MR}
Gyproc CoreBoard

Supplier
Saint Gobain Gyproc Emirates Industries L.L.C
ICAD 1
Mussafah, Abu Dhabi
United Arab Emirates
P.O. Bx 38983
Free Phone: 800 GYPROC (497762)

Recommended uses: Gyproc plasterboards are used as internal linings in buildings. This information reflects typical values and is not a product specification.

2. Composition / information on ingredients

Calcium sulphate dihydrate encased in paper liners, natural constituents may include minor amounts of quartz. Small quantities of chopped glass fibre, microsilica and vermiculite may be added, with starch, foam and dispersants. Any board may contain small quantities of chopped man-made mineral fibre and microsilica.
Gyproc Moisture Resistant and Gyproc CoreBoard include a silicone and / or wax additive.

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

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.

Plasterboards will not support body weight between rafters, joints or frame members.

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

Gyproc CoreBoard weights

Board	Board thickness mm	Board width mm	Board length mm	Board weight kg	Pallet weight tonnes
Gyproc CoreBoard S/E	19	598	3000	16.2	1.846

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.

Storage – Store plasterboard as supplied in dry conditions. To maintain stability, place the stack on firm level ground, and ensure that stacks are both level and vertical.

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:-

Board width mm	Board length mm	Pallet stack height packs
598	3000	4

8. Exposure control / personal protection

Workplace Exposure Limit

Substance	Total inhalable	Respirable
Plaster	10mg/m ³ 8hr TWA	4mg/m ³ (8hr TWA)
Quartz (silica)	–	0.1mg/m ³ 8hr TWA
Man Made Mineral Fibres (MMMF)	5mg/m ³ (8hr TWA) (gravimetric method)	–

NB: HSE guidance – control exposure to <0.1mg/m³ (8hr TWA)

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.

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9. Physical and chemical properties

Appearance - Flat sheet boards in different widths and thicknesses, with a square as this board is only available in square edge.

10. Stability and reactivity

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

11. Toxicology information

No known toxicological effects.

12. Ecological information

Stable product with no known adverse environmental effects.

13. Disposal consideration

Waste from gypsum plasterboard 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.

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 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 Manual Handling Section of the WHITE BOOK.

www.gyproc.ae

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