



# Gyproc® Moisture Resistant - H2 Plasterboard

Technical & Safety Datasheet



### INTRODUCTION

#### Characteristics

Gyproc® Moisture Resistant - H2 is a moisture resistant plasterboard consisting of an aerated gypsum core with water repellent additives encased in, and firmly bonded to strong paper liners.

The 12.5mm thick version is enhanced with additional sag-resistant additives to allow fixation at greater spans on ceiling application.

#### Applications

Gyproc® Moisture Resistance - H2 is designed for use in Gyproc® partition, lining and ceiling systems where greater level of moisture resistance is required. It is also suitable as a base for tiling.

#### Board colour

- Faced with green coloured paper
- Reverse faced with brown coloured paper

#### Board printing

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

#### Board range

Width*	Length*	Edge type
mm	mm	
<b>12.5mm board</b>		<b>Kg/m<sup>2</sup> = 8.7 R (m<sup>2</sup>K/W) = 0.07</b>
1200	2400, 3000	Tapered Edge
<b>15mm board</b>		<b>Kg/m<sup>2</sup> = 10.4 R (m<sup>2</sup>K/W) = 0.08</b>
1200	2400, 3000	Tapered Edge

\* Other lengths & thicknesses available upon request

### FINISHING

#### Board edge types

T/E - for tapered and filled joints using Gyproc® jointing materials

#### Jointing

Gyproc® jointing materials produce durable joint reinforcement and a smooth, continuous, crack-resistant surface ready for priming and final decoration. A number of jointing specifications are available to suit the board type, method of application, and site preference.

#### Decoration

After the joint treatment has dried, decoration, including any decorator's preparatory work, should follow.

#### Repair

**Minor damage** - Lightly sand the surface to remove burrs and fill flush with two applications of Gyproc® Jointing Compound. When dry, decoration 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.

#### Damaged core and/or broken edges (non-fire rated or non-high impact situations only)

- Remove the damaged area of core. Score the liner approximately 10mm away from the undamaged core around the damaged area, and peel the paper liner away. Apply PVA to seal the core and surrounding liner. Bulk fill the hole with Gyproc® Jointing Compound and strike off flush. Once the filler is set/dry, follow the procedure for repairing minor damage.

**Extensive damage** - When the damage is more extensive or the partition is fire rated or has a high impact resistant requirement, 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 screw fixing the same type and thickness of plasterboard. Fill edge joints, then tape using Gyproc® Jointing Tapes and finish in the recommended way. When dry, decoration including any decorator's preparatory work should follow.

### STANDARDS

#### BS EN 520: 2004+A1: 2009 Gypsum Plasterboards, definitions, requirements and test methods

Type A: Plasterboard with a face to which suitable decoration may be applied.

Type H2: 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 purpose of identification, these boards are designed Type H1, H2 and H3, with different water absorption performances.

### 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.

#### 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 Moisture Resistant - H2.

#### Reaction to fire test performance

Standard	Performance
EN 520:2004+A1:2009	Classified without further testing as A2-s1, d0.
ASTM E84-17a	Class 1/Class A

#### Thermal conductivity ( $\lambda$ )

Gyproc Moisture Resistant - H2 - 0.19W/mK

#### Effect of temperature

Gyproc Moisture Resistant - H2 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 temperature above 49°C for prolonged period but can be subjected to freezing condition without risk of damage.

#### Effect of condensation

The designers should take care to eliminate all possibility of problems caused by humidity and condensation.

### 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 offloading 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 Middle East WHITE BOOK.

#### Cutting

This product may be cut using a plasterboard saw or by scoring with a sharp knife and snapping the board over a straight edge. Holes for switch or socket boxes should be cut out before the boards are fixed using a utility saw or sharp knife. When cutting boards, power and hand tools should be used with care and in accordance with the manufacturers' 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

Fix boards with decorative side out to receive joint treatment or a skim plaster finish. Lightly butt boards together. Never force boards into position. Install fixings not closer than 13mm from cut edges and 10mm from bound edges. Position cut edges to internal angles whenever possible, removing paper burrs with fine sandpaper. Stagger horizontal and vertical board joints between layers by a minimum of 600mm. Locate boards to the centre line of framing where this supports board edges or ends.





### HEALTH & SAFETY

#### 1. IDENTIFICATION OF THE SUBSTANCES/ PREPARATION AND COMPANY

##### Gyproc® Moisture Resistant - H2

Supplier Saint-Gobain Gyproc Emirates Industries L.L.C  
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United Arab Emirates  
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This information reflects typical values and is not a product specification.

#### 2. HAZARDS IDENTIFICATION

##### 2.1 Classification of the article:

This product is not classified as hazardous according to CHIP.

Dust from sawing or sanding may irritate the respiratory system, skin and eyes.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Aerated gypsum core (calcium sulphate dihydrate) encased in and firmly bonded to strong paper liners. Constituents may include minor amounts of starch, boric acid, foaming agent, water repellent (silicon oil) and dispersing agent additives.

Any board may contain small quantities of chopped man made mineral fibre and microsilla.

Gyproc Moisture Resistant - H2 includes a silicone and / or wax additive. Certified as Asbestos free.

#### 4. FIRST AID MEASURES

**Eye contact** S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S39 - Wear eye / face protection.

**Skin contact** S28 - After contact with skin, wash immediately with plenty of soap and water.  
S36 - Wear suitable protective clothing.

**Ingestion** S62 - If swallowed, do not induce vomiting, seek medical advice immediately and show this document.  
S64 - If swallowed, rinse mouth with water (only if the person is conscious).

**Inhalation** S51 - Only use in well ventilated areas.  
S63 - In case of accident by inhalation, remove casualty to fresh air and keep at rest.

**General** Get medical attention if any symptoms persist.

#### 5. FIRE FIGHTING MEASURES

The product does 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

##### 7.1 Precautions for safe handling:

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 2 for hazards identification.

Plasterboards will not support body weight in 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 Moisture Resistant - H2 weights

Product	Board thickness mm	Board width mm	Board length mm	Board weight kg	Pallet weight kg
Gyproc Moisture Resistant - H2	12.5	1200	2400	25.06	2057
			3000	31.32	2028
	15	1200	2400	29.95	1848
			3000	37.44	2026

**[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 palletised load is given within the weights table in this section of this document.

##### 7.2 Conditions for safe storage, including any incompatibilities:

Storage - Store on pallets supplied in dry conditions. To maintain stability place pallets 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 on level concrete floors and vertical stacks are as follows:

Board width mm	Board length mm	Pallet stack height packs
1200	2400, 3000	4

### HEALTH & SAFETY

#### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

##### Workplace exposure limit

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

##### Personal protection

<b>Respiratory</b>	S51 - Use only in well ventilated areas. S39 - Wear eye / face protection. Face masks to EN 149 FFP2.
<b>Skin</b>	S36 - Wear suitable protective clothing.
<b>Eye</b>	S39 - Wear eye / face protection. Eye protection to BS EN 166.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Flat sheet boards with a tapered 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, non-inert', is fully recyclable and is classified as EWC 17 08 02.



If you would like to recycle Gypsum plasterboard waste, we at Gyproc offer Gypsum recycling services and are happy to take segregated waste from your site.

Please refer to the Gyproc® Plasterboard Recycling brochure. Always seek advice of a trained and competent professional. Off-cuts, where appropriate, can be used as noggings to reduce or remove recycling requirement.

Alternatively, Plasterboard waste can be disposed off at an authorized landfill site in accordance with the local waste management regulations.

#### 14. TRANSPORT INFORMATION

Not classified as hazardous for transportation.

#### 15. REGULATORY INFORMATION

Not classified under the CHIP regulations.

#### 16. OTHER INFORMATION

Control of Substances Hazardous to Health Regulations (COSHH)

The Manual Handling Operations Regulations  
HSE Guidance Note EH40: Workplace Exposure Limits  
Gypsum Wastes - Environment Agency Information Sheet  
Gyproc Middle East WHITE BOOK  
Gyproc Middle East website: [www.gyproc.ae](http://www.gyproc.ae)

Note to user: This Safety 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, available to download from [www.gyproc.ae](http://www.gyproc.ae)



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.

**SpecSure® - a warranty for the future performance of your system.**



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