



# Gyproc® Habito™ Plasterboard

Technical & Safety Datasheet



# For better walls



### INTRODUCTION

#### Characteristics

Gyproc® Habito™ consists of a specially reinforced gypsum core designed for high strength and fixing capability.

#### Applications

Designed for use in Gyproc wall and partition systems where greater levels of sound insulation, impact/duty and fixing capability are required.

#### Board colour

- Faced with grey coloured paper bearing the Habito logo
- Reverse faced with brown coloured paper

#### Board printing

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

#### Board range

Width mm	Length mm	Edge type
<b>12.5mm board</b>		$Kg/m^2 = 12.3$ $R (m^2K/W) = 0.05$
1200	2400, 3000	Tapered Edge
<b>15mm board</b>		$Kg/m^2 = 14.4$ $R (m^2K/W) = 0.06$
1200	2400, 3000	Tapered Edge

### FINISHING

#### Board types

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

#### Jointing

Gyproc jointing materials produce a smooth, continuous, crack-resistant surface ready for priming and final decoration.

#### Decoration

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

#### 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 decorators preparatory work should follow with minimum delay.

**[NB]** Fixings / fixtures should not be made into repaired / damaged areas. Where there is any likelihood of fixings being made into repaired sections in the future, then follow the procedures described in 'Extensive damage'.

**Deep indents resulting from impact** - Check the board core to ensure that it is not shattered. If intact, apply a first 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 ensuring joints between board layers are staggered by a minimum of 300mm and horizontal joints in the face layer are backed by Gypframe GFS1 (double layer) or stud noggin (single layer). 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.

**[NB]** It is essential that repairs are made 'like for like'. If the finish is skim plaster, jointing materials must not be used in the repair.

### LOAD CAPACITY

We recommend that you use No. 10 woodscrew for fixing items into Gyproc® Habito™. For further fixing advice, please contact Gyproc.

#### No. 10 Woodscrew (25mm & 42mm)



Board Types	Typical Safe Working Load (SWL)*
12.5mm Gyproc® Habito™	30 kg
15mm Gyproc® Habito™	30 kg

\*This is only applicable to static load where weight is reasonably consistent after the item is fixed into position e.g. Mirrors, paintings, etc.



### STANDARDS

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

- Type D: Gypsum plasterboard with controlled density
- Type F: Gypsum plasterboard with improved core adhesion at high temperature
- Type I: Gypsum plasterboard with enhanced surface hardness
- Type R: Gypsum plasterboard with enhanced strength

Plasterboard with a face to which suitable gypsum plasters or decoration may be applied.

**ASTM C1396-17** Standard Specification for Gypsum Board

- Section 5: Gypsum wallboard
- Section 12: Gypsum ceiling board (12.5 mm Habito)
- Type X

### BOARD PERFORMANCE

#### System performance -

##### Fire, acoustic, impact, duty and fixing capability

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

#### 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 (iI) not exceeding 6.
BS 476: Part 7: 1997 Surface spread of flame tests for materials.	Class 1 (both sides).
EN 520:2004+A1:2009	Classified without further testing as A2-s1, d0.
ASTM E84-17a	Class 1/Class A

#### Thermal conductivity

Gyproc® Habito™ - 0.25W/mK

#### Effect of temperature

Gyproc® Habito™ 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 periods 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 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 Middle East WHITE BOOK.

#### Cutting

This product may be cut using a plasterboard saw or by double scoring with a sharp knife and snapping the board over a straight edge. Holes for switch or socket boxes can 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.

#### Screws

Gyproc® Habito™ boards should be fixed to Gypframe metal sections with Gyproc® Habito™ screws. These screws have been specially designed for use on Gyproc® Habito™ boards only.

#### Fixing

Fix boards with decorative side out to receive joint treatment. Lightly butt boards together. Never force boards into position. Install Habito screws 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 &amp; SAFETY

## 1. Identification of the substances/ preparation and company

## Gyproc® Habito™

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: Gyproc® Habito™ is used as an internal lining in buildings.

This information reflects typical values and is not a product specification.

## 2. Hazards identification

THE MOST IMPORTANT HAZARDS ARE:

This product is **not** classified as hazardous according to CHIP.

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

## 3. Composition / information on ingredients

General composition: Calcium sulphate dihydrate encased in paper liners. Natural constituents may include minor amounts of quartz. Small quantities of chopped glass fibre, microsilica, fly ash and vermiculite may be added, with starch, foam and dispersants.

## 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.

**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.  
S36 - Wear suitable protective clothing.

**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

**Use** - Minimise dust generation when cutting or sanding in poorly ventilated places. Avoid eye contact - see Section 8 for recommended personal protective equipment and Section 2 for hazards identification.

Gyproc® Habito™ will not support body weight between rafters, joints or frame members.

**Manual handling** - Sheets of 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:

## Gyproc® Habito™ weights

Product	Board thickness mm	Board width mm	Board length mm	Board weight kg	Pallet weight kg
Gyproc® Habito™	12.5	1200	2400	35.5	1,965
			3000	44.3	2,030
	15	1200	2400	41.5	1,960
			3000	51.8	2,051

**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.

**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.

**NE** 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
1200	2400 / 3000	6

## 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> 3hr TWA
Quartz (silica)	-	0.1mg/m <sup>3</sup> 8hr TWA
Man Made Mineral Fibres (MMMMF)	5mg/m <sup>3</sup> 8hr TWA (gravimetric method)	-

### HEALTH & SAFETY (CONTINUED)

#### Personal protection

**Respiratory** S51 - Use only in well ventilated areas.  
S39 - Wear eye / face protection.  
Face masks to EN 149 FFP2.

**Skin** S36 - Wear suitable protective clothing.

**Eye** 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 02 08 17.

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

Dispose 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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