



Gypframe[®] Eco T

Grid System

Technical & Safety Datasheet



INTRODUCTION

Characteristics

Gypframe® Eco T is a high-strength lay-in ceiling grid system suitable to receive edge A and edge E24 ceiling tiles. It is available in RAL 9003. For other colours, please contact Gyproc Customer Service.

Applications

Suitable for Gyprex® tiles.

Standards

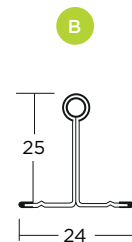
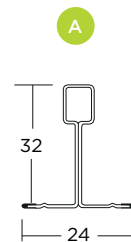
ASTM C635 - Standard Specification for Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.

COMPONENTS

24mm Gypframe Eco T Grid Sections

Galvanised steel sections with a 24mm width precoated cap that provide the main grid components of the exposed suspended ceiling system.

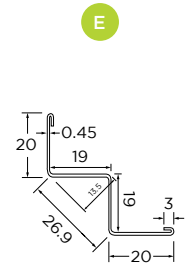
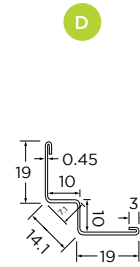
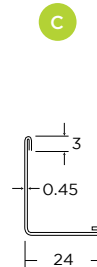
| | | Length | Weight per piece |
|---------------------------|---|--------|------------------|
| | | mm | kg |
| 24mm Gypframe Eco Main T | A | 3600 | 0.998 |
| 24mm Gypframe Eco Cross T | B | 600 | 0.146 |
| 24mm Gypframe Eco Cross T | B | 1200 | 0.288 |



Gypframe Eco T Wall and Shadow Angles

Galvanised steel perimeter track screw fixed to the wall to secure the suspended ceiling system. The shadow angles provide a stepped design border where a premium finish is required.

| | | Length | Weight per piece |
|----------------------------------|---|--------|------------------|
| | | mm | kg |
| Gypframe Eco T Wall Angle | C | 3000 | 0.560 |
| 10mm Gypframe Eco T Shadow Angle | D | 3000 | 0.655 |
| 19mm Gypframe Eco T Shadow Angle | E | 3000 | 0.866 |

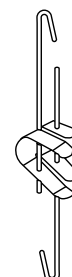


Adjustable Hangers

High-strength adjustable steel hangers for suspension of Gypframe Eco T Grid system. It consists of two identical hanger rods (top and bottom) connected by an adjustable clip.

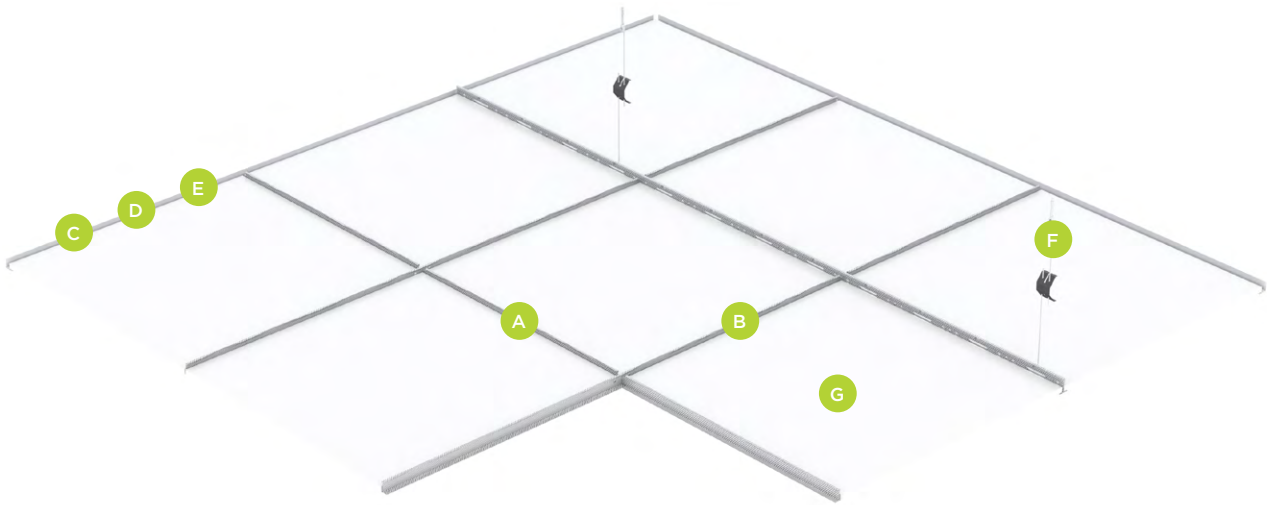
| | Length | Weight per piece |
|-----------------|--------|------------------|
| | mm | kg |
| Adjustable Clip | N/A | 0.010 |
| 3mm Hanger Rod | 750 | 0.045 |
| 3mm Hanger Rod | 1000 | 0.060 |
| 3mm Hanger Rod | 1500 | 0.090 |

Adjustable Hanger



INSTALLATION

Gypframe Eco T Grid System



- A** 24mm Gypframe Eco Main T
- B** 24mm Gypframe Eco Cross T
- C** Gypframe Eco Wall Angle
- D** 10mm Gypframe Eco Shadow Angle
- E** 19mm Gypframe Eco Shadow Angle
- F** Adjustable Hangers
- G** Gyprex® tiles

Installation overview

Step 1

Fix Gypframe Eco T Wall Angle or Shadow Angle to the perimeter wall with Gyproc Hammer Fix or Gyproc Drywall Screw as required at maximum 300mm centres.

Step 2

Measure the ceiling space and mark out the locations for Gypframe Eco Main T profiles. The first profile should be at a maximum of 600mm from the perimeter wall and at 1200mm centres thereafter.

Step 3

Once the Gypframe Eco Main T profiles are marked out, secure Gyproc Tie Wire Anchors to the soffit at 1200mm centres along the Gypframe Eco Main T, with the first anchor at a maximum of 400mm from the perimeter wall.

Step 4

Hook the Adjustable Hangers to the Gyproc Tie Wire Anchors.

Step 5

Mount the Gypframe Eco Main T profiles by hanging them from the Adjustable Hanger hooks.

Step 6

Extend the Gypframe Eco Main T profiles by pushing them together until they click.

Step 7

Connect the Gypframe Eco Cross T 1200 perpendicularly between the Gypframe Main T profiles, at 600mm centres.

Step 8

Connect the Gypframe Eco Cross T 600 perpendicularly between the Gypframe Eco Cross T 1200 profiles at mid-point. Gypframe Eco Cross T profiles can be cut to suit the perimeter tile width.

Step 9

The perimeter tiles against the wall can be cut with either a knife or a saw. We recommend cutting from the face side. When using a knife, first cut the face liner, break the tile along the cut, and then cut through the rear liner.

Step 10

Lay in the tile in position.

HEALTH & SAFETY

1. IDENTIFICATION OF THE SUBSTANCES/ PREPARATION AND COMPANY

24mm Gypframe Eco T Grid Sections Gypframe Eco T Wall Angle and Shadow Angles Adjustable Hangers

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: In conjunction with Gyproc plasterboards to form internal walls and ceiling systems, linings and encasements.

2. COMPOSITION / INFORMATION ON INGREDIENTS

General composition: Mild steel sections coated by zinc electrolyte process or hot dip galvanised process. The sections may have a protective film of a roll forming hydrocarbon lubricant or a residue of cutting fluid. Minimum zinc coating thickness of Gypframe Eco Main T and Cross T profiles base metal is 17µ. Minimum coating thickness of Gypframe Eco T Wall Angle and Shadow Angles is 20µ.

3. HAZARDS IDENTIFICATION

THE MOST IMPORTANT HAZARDS ARE:

These products are not classified as dangerous according to CLP. CLP is the law that applies to suppliers of dangerous chemicals. Its purpose is to protect people and the environment from the effects of those chemicals by requiring suppliers to provide information about the dangers and to package them safely.

There is a risk of cuts and abrasions from sharp edges and ends when handling metal sections and in use where they have been fitted to floors or walls and are exposed, prior to fixing plasterboard.

There is also a risk when cutting the banding due to the release of tension and the potential movement of material. Repeated contact with sheet metal coatings may cause skin irritation. During power cutting, grinding or drilling, irritant fumes or dust may be produced which can cause metal fume fever.

4. FIRST AID MEASURES

Eye contact P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

Skin contact P264 - Wash hands thoroughly after handling.

Ingestion Not applicable.

Inhalation Not applicable.

General Get medical attention if any symptoms persist.

5. FIRE FIGHTING MEASURES

The products do not pose a fire hazard. However, the protective coating/lubricant, packaging banding or sponge rubber elements may be combustible and emit hazardous fumes.

Suitable extinguishing media - foam, carbon dioxide, dry powder.

6. ACCIDENTAL RELEASE MEASURES

Product discarded in an unaltered form is classified as a non-hazardous waste.

7. HANDLING AND STORAGE

Mechanical handling - The dimensions of the pallet vary depending upon 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 on the delivery note.

Manual handling - Metal sections are supplied in a variety of lengths and widths and the weight of different sections varies. Do not use the banding or straps for lifting. Carefully consider the manual handling risks before lifting sections of metal. Appropriate cut-resistant PPE should be used when handling metal sections.

Storage - Store on pallets supplied and in dry conditions. To maintain stability, place pallets on firm level ground and ensure that stacks are both level and vertical. Stack height should not exceed twice the width of the pack. Banding should only be removed at ground level.

Use - Caution: as with all cut metal products, there is risk from sharp corners or edges. Appropriate cut-resistant PPE should be used when handling metal sections. Avoid prolonged and repeated contact with skin and wear protective clothing when handling metal sections (see Section 8).

HEALTH & SAFETY

When the banding is cut it may spring back as tension is released and the pack of material may become unstable. Appropriate PPE (including eye protection to BS EN 166) should be worn.

Metal sections which have been fixed to the floor or side wall, ready for plasterboard fixing, may have exposed sharp edges and care should be taken to protect persons from unintentional contact. Exposure to potentially sharp edges should be minimised.

Metal sections are not designed to support body weight; fixers must work from an independent support system.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

| | |
|-------------|--|
| Respiratory | P284 - Use only in well-ventilated areas. Wear eye / face protection. Face masks to EN 149 FFP2. |
| Skin | P303 - Wear suitable protective clothing. |
| Eye | P305/P313 - Wear eye/face protection. Eye protection to BS EN 166. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------|---|
| Appearance | Metal sections in various lengths, thickness and formation. |
| Odour | Paraffin/oil (protective coating). |

10. STABILITY AND REACTIVITY

Stable under normal conditions but when subjected to high temperatures fumes are produced.

11. TOXICOLOGY INFORMATION

| | |
|--------------|---|
| Inhalation | Dry grinding or machining may produce dust of the same composition as the coating and base metal. Flame cutting may produce fumes containing oxides of zinc and iron, and also breakdown products of protective coating. Potential effects health include metal fume fever, a condition similar to influenza. |
| Skin contact | Prolonged and repeated contact may cause irritation |
| Eye contact | None in normal use. |
| Ingestion | Not applicable. |

12. ECOLOGICAL INFORMATION

Stable product with no known adverse environmental effects.

13. RECYCLING

Gypframe Metal components contain recycled content and can contribute to LEED NC v2.2 Credit MRc4: Recycled Content.

14. DISPOSAL CONSIDERATION

Dispose at an authorised metal recycling facility in accordance with local waste management licensing regulations.

15. TRANSPORT INFORMATION

Not classified as hazardous for transportation.

16. REGULATORY INFORMATION

Not classified under the CLP regulations.

17. OTHER INFORMATION

Gyproc Middle East WHITE BOOK
 Gyproc Middle East website: 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



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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