

# Gypframe<sup>®</sup> Eco Metal Profiles

Technical & Safety Data Sheet



### INTRODUCTION

This data sheet is designed to provide a range of technical & HSE data, including our manufacturing processes and standards, how to use Gyproframe Eco, complete product list with dimensional properties and health & safety precautions. For any further information please contact us on **800 GYPROC (497762)** or at **www.gyproc.ae**

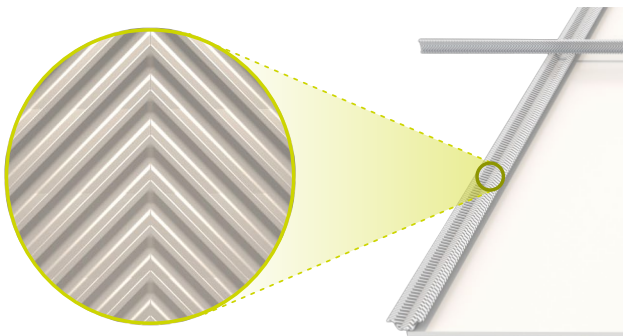
#### Characteristics

Gyproframe Eco is our new range of eco-friendly metal profiles. In addition to the high level of recycled content used in steel production, the profiles are manufactured under a new design based technology which allows reduction of metal consumption.

The profiles are designed for use as metal framing for Gyproc ANTI-SAG Ceiling System. They are cold formed from DX51D, utilising serration process and are available with standard zinc coating of Z140.

#### Serration Technology

This innovative patented technology produces a serrated design across the surface of the metal which doubles the effective thickness of the material and stiffens the steel. It provides additional benefits compared to plain steel such as higher strength capacity at a lighter gauge and increased sag resistance. As a result, Gyproframe Eco Furring Channels can be fixed at increased spans, reducing its consumption by 30%.



This innovative technology provides additional benefits over traditional plain steel profiles:



Increased strength



Increased resistance against twist



Increased sag resistance



Increased components installation span

#### Manufacturing Standards

Gyproframe Eco metal profiles are produced to the following manufacturing standards :

EN 14195:2014    EN 10162:2003    ASTM C645

#### SpecSure® Warranty

All Gyproc system solutions listed in the Middle East WHITE BOOK are covered by the SpecSure system warranty designed to protect the integrity of Gyproc specifications and deliver reliable performance, unrivalled technical support and peace of mind for everyone involved in the construction team.

#### General

For full information on the manual handling of Gyproc systems and Gyproframe Eco profiles please refer to the WHITE BOOK. For health and safety guidance, handling, storage information for our Gyproframe Eco profiles, please refer to the Health & Safety section of this data sheet. All literature is available to download from **www.gyproc.ae**

#### Recycled Content

Gyproframe metal components are produced using steel manufactured by major world producers who use minimum 30% recycled ferrous scrap in producing the steel. Out of this 30% ferrous scrap:

- 80% is post-consumer recycled content
- 20% is pre-consumer recycled content

100% of Gyproframe Eco components are recyclable.

#### Fixing

Gyproc Drywall Screws should be used for fixing Gyproc plasterboard to Gyproframe Eco metal, and Gyproc Waferhead Jack-Point screws for fixing Gyproframe Eco metal to metal. Screw length should be based on board thickness and reaching a minimum of 10mm penetration into the metal framing.

#### Gyproframe Eco Main Channel

Gyproframe Eco Main Channel is used as primary channel for ANTI-SAG Ceiling System.



Width mm	Gauge thickness mm	Available lengths mm	Linear metre weight kg
38	0.45	3000	0.20

#### Gyproframe Eco Furring Channel

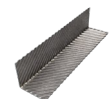
Gyproframe Eco Furring Channel is used as secondary channel for ANTI-SAG Ceiling System.



Width mm	Gauge thickness mm	Available lengths mm	Linear metre weight kg
35	0.45	3000	0.37

#### Gyproframe Eco Angle

Gyproframe Eco Angle is used as hangers and as perimeter angles for ANTI-SAG Ceiling System.



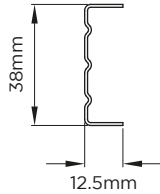
Width mm	Gauge thickness mm	Available lengths mm	Linear metre weight kg
25 X 25	0.45	3000	0.17



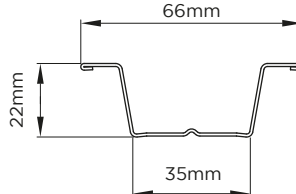
All our systems are covered by SpecSure® when using genuine Gyproc® products

### PROFILE DIMENSIONS

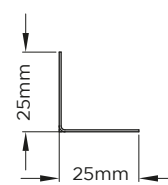
Gypframe Eco Main Channel



Gypframe Eco Furring Channel



Gypframe Eco Angle



### HEALTH & SAFETY

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

Gypframe® Eco metal sections

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

Recommended uses: In conjunction with Gyproc Regular Ceiling and Gyproc Moisture Resistant - H2 to form ANTI-SAG Ceiling System.

#### 2. Composition / Information on ingredients

Mild steel sections coated by zinc electrolytic 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.

#### 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).

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.

### HEALTH & SAFETY (CONTINUED)

#### 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

Reuse or recycle products wherever possible. This material must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation.

#### 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

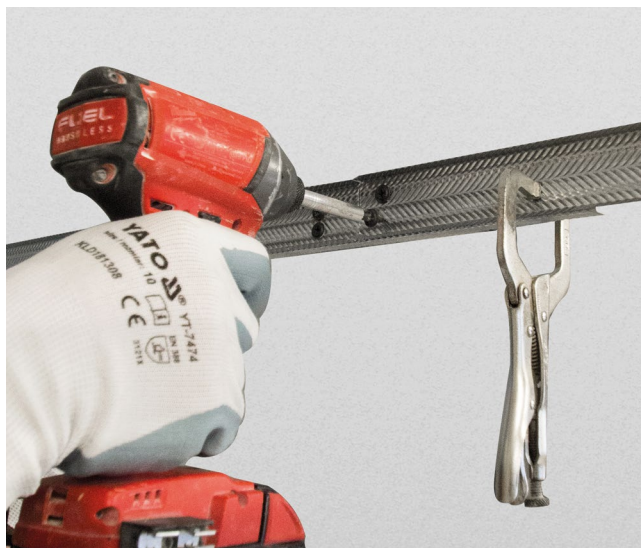
Not classified under the CLP regulations.

#### 17. Other information

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, or contact Gyproc technical department.



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