

| Revision # | Revision Date |
|------------|---------------|
| # 0 | 18/01/2023 |
| | |
| | |

Lockinex great service, great quality

INTRODUCTION

The Lockinex GFRP Handrail System provides an alternative to mild steel products. Lightweight, Non Conductive and with low maintenance.

APPLICATION

The installation of this product lends itself to exterior installations, such as, verandahs, balustrades around raised platforms, extended decking areas.

COMPOSITION, MANUFACTURE

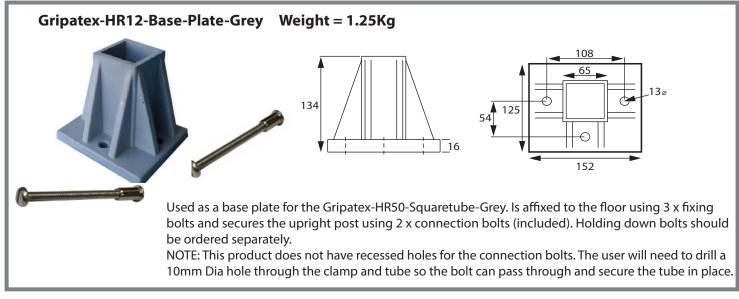
GFRP (Glass Fibre Reinforced Plastic) is a well proven product, used throughout many industry applications. The Lockinex system incorporates certain polymers, resins and fibres, to a specific recipe.

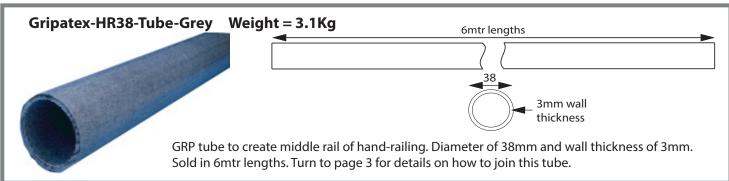
Oxybenzone is added to the resin to help retard UV damage to the pigmentation.

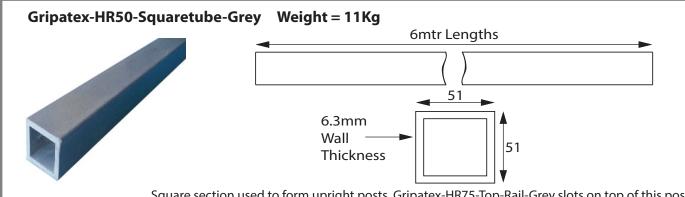
Surface veil techniques are also incorporated in pultruded tube profiles to enhance the appearance, and assist reduce UV damage to the pigmentation.

DESIGN

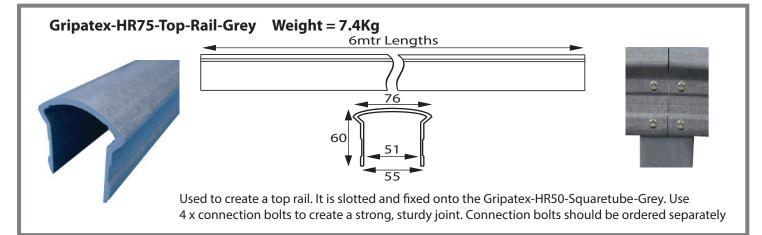
The easy to use components are readily available from stock, and an effective safe barrier can be constructed.

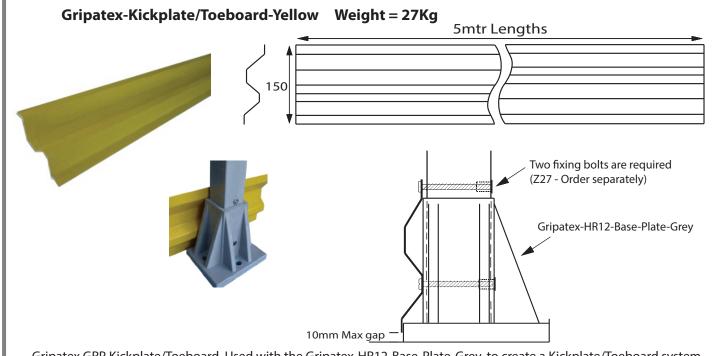




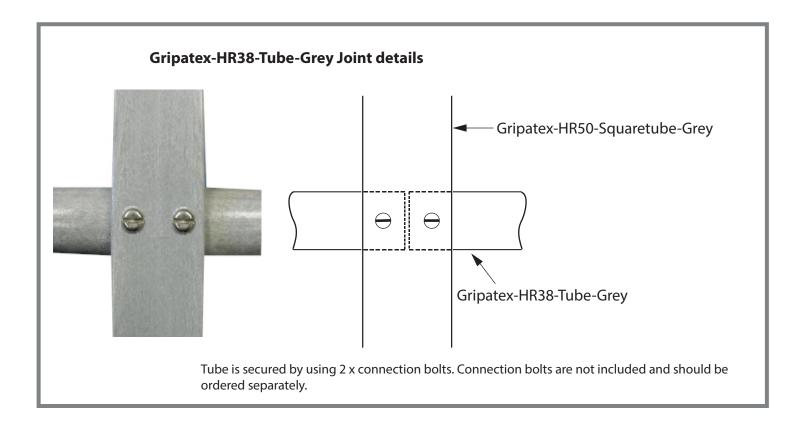


Square section used to form upright posts. Gripatex-HR75-Top-Rail-Grey slots on top of this post and is fixed into place to create a top rail. The Gripatex-HR38-Tube-Grey is used to create a middle rail. A 38mm Dia hole must be drilled out of this post in order for the middle rail to be slotted through and fixed into position.





Gripatex GRP Kickplate/Toeboard. Used with the Gripatex-HR12-Base-Plate-Grey, to create a Kickplate/Toeboard system. The gap between the bottom of the kickplate/toeboard and the floor should be no more 10mm to comply with BS:14122-3 2012. A minimum gap of 6mm is recommended to assist with the drainage. Two fixing bolts (Z27) are required to make the connection to the upright post, (Order separately).



Applied Load

When using the Gripatex-HR12-Base-Plate-Grey, posts should be spaced at no more than 1.25mtr centres to obtain 0.74kN/m.

Handling

GFRP (Glass Fibre Reinforced Polymer) contains small fibres within it's structure.

Care should be taken when handling and cutting the material. To prevent GFRP fibres causing irritation to skin/eyes, personal protective equipment should be worn.