

Water Treatment Industry

GRP Product List

Waste Water – Potable Water

- Weir Plates
- Scum Boards
- Launder Channels
- Scum Skimmer Blades
- Diffusion Drums
- McKinney Baffles
- Stilling Boxes
- Flumes
- Baffle Plates / Baffle Walls
- Chamber / Tank Covers
- Handstops / Stop Logs
- Distribution Channels / Reed Bed Troughs
- Distribution / Splitter Chambers
- Flow Measurement Chambers
- Splash Screens
- Formwork
- Sump Boxes / Bund Liners
- Kiosks / Cabinets
- Pipework
- Access Platforms
- Steps
- Handrail
- Ladders
- Grating (Open and Closed Mesh)
- Odour Control GFP Deck 500
- GRP Pultruded Profiles



GLASS REINFORCED PLASTICS AND COMPOSITE PRODUCTS

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GFP Engineering Ltd. have supplied GRP Water Treatment Products successfully for over 40 years to customers from all over the UK Water Industry sector. This includes major blue chip contractors and directly to the water authorities which span the UK. We enjoy great success in forming strong ties with companies which are part of the approved list for water authorities such as Severn Trent, one of the largest areas in the UK water industry and the first authority we became a supplier to when GFP was formed in 1968. We are GRP (Glass Reinforced Plastic) moulders of water treatment products

and currently support to other authorities such as Yorkshire water, Thames water, United Utilities and Anglian water regions, which has continued consistently over the last 40 years. We supply a vast range of GRP water products which are suitable for use in sewage or clean / potable water situations as well as GRP items for use on Sewage / Water Treatment Works.

GFP is looking forward to continuing and growing its long time involvement with providing GRP water treatment products for the next AMP 5 phase starting in April 2010 and our mission is to supply high standard GRP products which come with a confidence that the industry has come to expect from GFP Engineering. If you would like information on our products then please see below for the range of products we can supply. Please note that the list acts as a guide to show some of the items we have manufactured in the past and so if you are interested to know if GRP can be utilised for a product you have a requirement for, then please contact one of our team and we will be happy to assist.



GRP Weir Plates and GRP Scum Boards

Our Weir Plates are manufactured in GRP (Glass Reinforced Plastic) at standard thicknesses of 6mm and 10mm or moulded to suit thickness requirement as specified by clients or advised by our technical team. Longer lengths than 3m will have 50mm overlap joggle joints which maintain the seals with neoprene rubber seals. Elongated slots to suit adjustability requirement during installation and future alterations in flow.

Rectangular flat top, V notched, Castellated and Sharp crested weir plate arrangements are all available. They are supplied with stainless steel anchors for wall fixing and neoprene sealing strips. All cut edges are resin sealed for a +25 year usage.

The weir plates are designed for any raw sewage corrosive environment or potable water. Data sheets for the raw materials (CSM glass, resin and gelcoat) are available on request.

Weir plates are also available in various other materials like PP (Polypropylene), RPC (Recycled Polycarbonate) and Steel.

GRP Scum boards or Scum baffles are manufactured to standard dimensions, usually 350-450mm deep and thicknesses of 6mm or 10mm. Pre-curved or flat sheet scum board arrangements are both offered and their lengths are usually 2m long for the pre-curved option and 3m for the straight.

Their purpose is to hold back scum build up in raw sewage liquor situations and to keep it away from the GRP weir plate outlets. The scum boards GFP supply are in accordance with

WIMES specification or as specified. In-house design with GA drawings is available for any requirement. If required, stand-off brackets in GMS, GRP pultrusion and stainless steel are supplied as part of a kit along with stainless steel fixings supplied to suit.



GRP Fabrication for Access Equipment

GRP are able to offer a fabrication service to with a requirement for low or high level steps and platform walkways. The GRP steps use open mesh grating stair treads with either yellow or black nosing on them and GRP pultruded profile with box section for the stanchions with moulded handrail profile and GRP pultruded channel and angle sections for the frame supports underneath.

GRP steps and platform can be used in a variety of situations, including in corrosive chemical outdoor and indoor conditions, where Vinyl Ester grating and profile is available and for raised areas around water and sewage treatment works, industrial sites and buildings where access to different levels is required. They provide a like for like replacement for steel steps which have health and safety issues when fabricated on a busy construction site. GRP steps can be made completely off site meaning minimal installation on site; this means just in time supply and fast lead times.



The benefits include:

- **Lightweight compared to steel**
- **It can be supplied as a whole unit meaning construction time on site is reduced**
- **Easy to cut and fabricate on site**
- **Anti-slip finish from the GRP gritted grating**
- **Non Conductive**
- **No scrap value**

We have installed many GRP access structures for different areas including Chemical Bunds, GRP Kiosks, Fire escape, Pipe Gantry and Rail Sidings.

Other access products include GRP ladders, GRP handrail, GRP steps and ships ladders.

If you should need any further information about GRP steps and platforms and their capabilities then please contact us on either phone, email or fax.