

**The Tanks Range**

The specifications of our Tanks Range incorporate purpose made design features to satisfy customer requirements for prefabricated maintenance free units providing environmental protection to suit many different applications and locations.

**Construction**

Moulded in Glass Reinforced Polyester (GRP) composite construction. GRP laminate is made from structural polyester resin reinforced with chopped strand matt glassfibre.

Core materials are used to satisfy different structural/insulation requirements. Larger panels are suitably reinforced to maintain structural stability. Designed in accordance with BS4994:1987, for the design and construction of vessels and tanks in reinforced plastics.

Designed to comply with CP3:Chapter 5/BS 6399 1984 wind, snow and seismic loadings and all other relevant British Standards. Enhanced loadings to 5Kn/m<sup>2</sup> or greater are also available. Standard fixing is through reinforced GRP Flanges. Life expectancy is in excess of 30 years.

**Finishes**

Coloured Isophthalic resin (Gelcoat) forms the external barrier giving excellent weather and chemical resistance.

A natural rolled GRP resin-rich surface is provided as the internal finish.

**Insulation**

Various constructions are available giving 'U' value from 3.0 W/m<sup>2</sup>C° down to 0.5 W/m<sup>2</sup>C° to satisfy specific insulation requirements.

**Fire Rating**

Fire retardant resin is used to provide self extinguishing laminates to BS 476 Part 7 Class 2 (Surface spread flame).

**Sound Attenuation**

Sound attenuation of up to 50dBA can be achieved, over octave band centre frequency range of 31 Hz to 8KHz by use of different construction materials.

**Environmental Protection**

Fully weatherproof and watertight. In compliance with Water Byelaws.



**Ventilation**

Natural ventilation is provided by means of integral vents. Forced ventilation to meet specific requirements can be provided by suitable fans.

**Quality**

All manufacture and customer service is controlled by an effective quality assurance system, in line with the recommendation of BS 5750/ISO 9000.

**Other Products**

Quinshield Ltd also design and manufacture a comprehensive range of other products. (Details on separate brochures).



**TANKS**



**GRP**  
Products

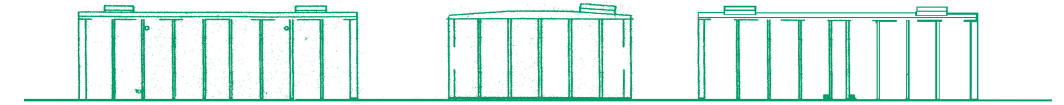
Due to our policy of maintaining a continuous review of product performance and materials of construction, we reserve the right to amend the design and dimensions of the products illustrated in this publication at any time and without prior notice.

**TANKS**

**TECHNICAL SPECIFICATION**

## The Product

**Quinshield Tanks** demonstrate the ideal combination of structural strength and corrosion free, long term performance. The tough durable GRP composite construction is designed to withstand specified loadings and to provide the most effective engineering solution for each job.



## Design

The scope extends from small man-handleable containers to wide-span modular panel Tank Systems.

Design features include laminated structural reinforcements, stainless steel fittings, watertight seals, algae resistant internal smooth finishes in full compliance with Water Byelaws.

## Applications

Typical applications include:-

- Potable Water Containment
- Sewage Treatment Filtration
- Chemical Storage
- Peat Bed Odour Control Tanks



## Customised Features

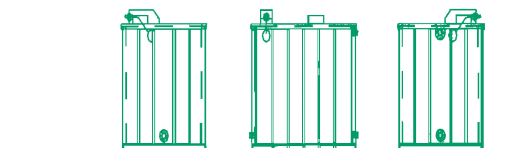
- Inlet/Outlet valves
- Access hatches
- Flanged connections
- Extra insulation
- Integral ducting
- Gland plates
- Lifting eyes
- Anti-slip surface on roof panels.
- Ventilation

## Delivery and Installation

- A complete delivery and installation service is provided.
- On site installation is by our skilled and experienced team.
- All site work is performed in compliance with current health and safety requirements and relevant site conditions.
- Ease of installation greatly cuts down time and cost on site.
- Close liaison is maintained with our clients to ensure effective organisation of delivery and installation.
- Cranage and special handling equipment are used as necessary.

## Advantages

- Structural stability and robustness.
- Moulded GRP composite construction.
- Durable, maintenance free materials.
- Weather and chemical resistance.
- Long term protection against corrosion and degradation.
- Choice of colours and finishes.
- Design adaptability to suit each project.



**Quinshield**