

**External Finish**

Optimum use of quality materials combined with the company's skills and flexibility in the design and manufacture of moulded GRP (Glass Reinforced Polyester) composite structures ensures that a superior and durable external surface finish is consistently achieved. The smooth moulded satin gelcoat finish is available in any colour from the BS 4800 or RAL range. Quinshield also design and manufacture 'Traditional Appearance' finishes such as Simulated Brick or Stone. Details are demonstrated in our separate 'Traditional Range Brochure'.

**Scope**

By providing a high standard of quality in design, manufacture and customer service at competitive prices Quinshield has developed a strong position among its many clients in the market for GRP kiosks and buildings.

The extensive range varies from small basic kiosks to large multi-feature buildings.

After sales back-up plays a key part in our customer service. A first class package from design to delivery and installation.



**Customised Features**

Many optional features can be incorporated into our kiosks and buildings to provide the ideal 'PACKAGE FOR THE CUSTOMER'.

- Mounting Boards
- Partitions
- Unistruts
- Inspection Windows
- Cable Entry 'Cat Flap' Doors
- Removable Panels
- Access Hatches
- Gland Plates
- Optional Locking Systems
- Apertures and Cowls
- Vents
- Customer Logos
- Pre-Installation of Customer Equipment



**The Endurance Range**

The specifications of our Endurance Range provide extensive scope for the supply of purpose built kiosks, designed to meet customer requirements, suitable for a variety of applications and widely contrasting environmental considerations.

**Standard Sizes**

**WIDTH**  
 External - from 750mm in 250mm steps to 50 metres.  
**DEPTH**  
 External - from 500mm in 250mm steps to 12 metres.  
**HEIGHT**  
 Internal - 1200, 1400, 1650, 1900, 2150, 2300, then in 100mm steps to four metres. Other/larger dimensions can be quoted.

**Standard Construction**

Moulded in Glass Reinforced Polyester (GRP) composite construction, totally encapsulating a rigid core. GRP laminate is made from fire retardant structural polyester resin reinforced with chopped strand matt glassfibre.

Standard core material is 12mm thick plywood, weather and boil proof to BS 1203. Other materials can be used to satisfy different structural/insulation requirements. Large panel areas are suitably reinforced to maintain structural stability.

Designed to comply with CP 3: Chapter 5/BS 6399 part 1, 1984 wind, snow and seismic loadings and all other relevant British Standards.

Standard fixing is through reinforced internal GRP flanges by expanding bolt system onto prepared bases. External flanges can be provided.

Life expectancy is in excess of 30 years.

**Finishes**

External: Satin finish - choice of any colour from the BS 4800 range or the RAL range.

A coloured isophthalic resin (Gelcoat) forms the external barrier giving an excellent weather and chemical resistance in the harshest of environments.

Standard internal finish is a white fire retardant resin. Other internal finishes can be provided.

**Doors**

An extensive range of door sizes is available. Located in width or depth walls, central or offset.

Stainless steel (316) hinges are fitted to all doors. Hinges are fitted with stainless steel security fasteners in such a manner that they cannot be removed from outside the kiosk.

**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.**

**Door Locking**

Standard locking is by cylinder nightlatch lock or stainless steel (Grade 316) Hasp and staple. Alternatively: Locking to suit customer specification.

**Insulation**

Standard construction provides 'U' value 2.2 W/m<sup>2</sup>C°. Higher levels of insulation can be offered to meet building regulations or specific requirements.

**Fire Rating**

Panel construction complies with BS 476 Part 22, half hour fire resistance (Retention of stability, integrity and insulation). Fire retardant resin is used to provide self extinguishing laminates to BS 476 Part 7 Class 2 (Surface spread of flame). Other fire ratings can be provided.

**Sound Attenuation**

Standard composite core construction achieves noise attenuation of 24dBA over octave band centre frequency range of 31.5Hz to 8KHz measured at 1.0m distance from wall. Other levels of attenuation up to 30dBA nominal acoustic performance can be offered by use of different constructions.

**Environmental Protection**

Dust, weather and splash-proof to a minimum of IP 54 protection rating. Higher degrees of protection can be provided to IP 55 and IP 65.

**Ventilation**

Adequate natural ventilation can be provided by means of integral vents, fitted with bird and vermin screens. Forced ventilation to meet specific requirements can be provided by suitable fans, complete with external weatherproof GRP cowl. Heating, air-conditioning and de-humidification can be provided.

**Electrics**

All electrical installations are in accordance with the IEE regulations current editions, encompassing domestic to Zone 1 as required.

**Floors/bases**

Several options are available, ranging from integral composite construction floors to steel channel baseframes complete with steel plate decking.

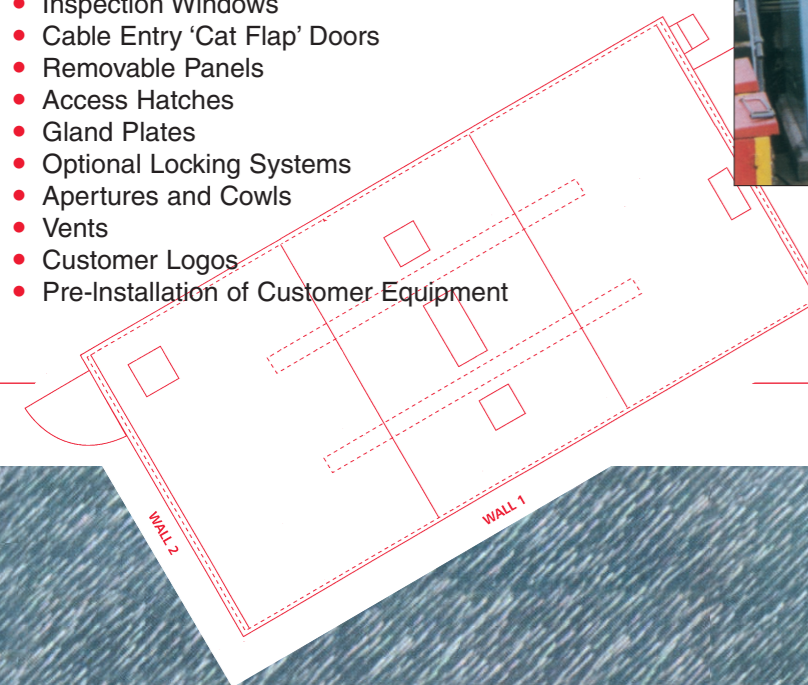
**Quality**

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

**Other products**

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

**ENDURANCE**



**ENDURANCE** TECHNICAL SPECIFICATION



**The Product**

The **Endurance Range** of purpose-built GRP kiosks and buildings provides a limitless choice to Quinshield's clients.

A superb smooth moulded satin exterior finish is available in any colour from the BS 4800 or RAL range.

Sizes and features are tailored to suit customer requirements. The infinite scope extends from small compact kiosks to large span buildings up to 50 metres length.



**Advantages**

Our GRP kiosks and buildings are designed and manufactured to provide the most effective and economic solution to customer requirements.

- Smooth moulded exterior finishes
- Choice of colours
- Extensive scope of size options
- Good aesthetic appearance
- Superior quality at competitive prices
- Durability and long service life
- Maintenance free materials
- Designed to withstand wind, snow and seismic loadings
- Weather and corrosion resistance
- Robustness and security
- Purpose built features
- Versatility to suit customer needs and different locations
- Speed of delivery and installation by a specialist supplier
- Easy to relocate and extend
- Reduction in site costs compared to conventional building methods

**Applications**

Quinshield's GRP kiosks and buildings are supplied throughout the UK and overseas, servicing a wide range of clients, functions and conditions.

Typical applications include:

- Switchgear
- Control Equipment
- Generators
- Compressors
- Pumps and Valves
- Radio Stations
- Substations
- Telemetry
- Analysers
- Meters
- Gas Regulators
- Transformers
- Communications
- Electronics
- Chemical Treatment

**Versatility**

As a result of innovative research, design and manufacturing techniques, Quinshield is able to provide an infinite variety of features to suit many different applications and particular customer requirements.

- Thermal Insulation
- Fire Resistance
- Sound Proofing
- Electrical Installation
- Natural/Forced Ventilation
- Air Conditioning
- Load Bearing Floor/Bases
- Explosion Relief



**Delivery and Installation**

A comprehensive delivery and installation service is provided. Delivery methods depend on product size and site access.

- Delivery is normally ready built and offloading is by Hiab Vehicle subject to site access
- Delivery is carried out in panel form for larger kiosks or in difficult locations, for assembly on site
- For export contracts, kiosks are normally loaded into shipping crates or containers for despatch abroad
- On site installation is by our skilled and experienced specialist team
- Ease of installation greatly cuts down work and cost on site, particularly in remote situations
- Close liaison is maintained with our clients to ensure effective organisation of delivery and installation
- Cranage and special handling are used as necessary
- Quinshield has the flexibility and expertise to adapt to the particular demand of all types of site situations or conditions.

