

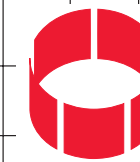


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The Modular Range

The specifications of our Modular Range provide extensive scope for the supply of buildings, designed to meet customer requirements, suitable for a variety of applications with particular emphasis on the larger type of enclosure.

Modular 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. Large panel areas are suitably reinforced to maintain structural stability. Designed to comply with CP 3: Chapter 5/BS6399, 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. Life expectancy is in excess of 30 years. The modular panel system provides a limitless scope of building lengths. Widths available up to 14 metres, internal heights up to 6 metres.

Finishes

External: Satin finish. Choice of any colour from BS4800 or 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

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

Door Locking

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

Environmental Protection

Dust, weather and splash-proof to a minimum of IP54 protection rating. Higher degrees of protection can be provided to IP55 and IP65.

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.

Insulation

Standard modular construction provides 'U' value of 2.2 W/m² /C⁰. Higher levels of insulation can be offered to meet building regulations or specifications.

Fire Rating

Panel construction complies with BS476 Part 22, half hour fire resistance (Retention of stability, integrity and insulation). Fire retardant resin is used to provide self extinguishing laminates to BS476 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 50 dBA nominal acoustic performance can be offered by use of different constructions.

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 weather proof 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.

Quality

All manufacture and customer service is controlled by an effective quality assurance system, in line with the recommendations of BS5750/ ISO 9000.

Other Products

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

MODULAR



MODULAR

TECHNICAL SPECIFICATION



The Product

The **Modular Range** of GRP buildings is specially designed to provide clients with a structurally enhanced and cost effective alternative to conventional building materials and methods. The modern-design buildings are formed from prefabricated pleated wall panels to give an infinite variety of sizes. The durable and robust GRP composite construction is designed to provide long service life in excess of 30 years. The smooth moulded satin exterior finish is available in any colour from the BS4800 or RAL range.

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
- Pump 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
- Explosion Relief

Delivery and Installation

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

- Deliveries of modular buildings are normally in panel form.
- 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.
- Cranes 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.
- For export contracts, building panels are normally packed into shipping crates or containers for despatch abroad.



Advantages

- Reduction in site costs compared to conventional building methods.
- Extensive scope of size options.
- Choice of colours
- Modern 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

