



OPTIONS

Colours:

Steel Grey
High visibility Safety Yellow

To Order:

Other resin types and any RAL colours
e.g. green, black, red*

Dimensions:

All bespoke made structures

Additional Options:

GRP platform structures
GRP staircases

A drawing & engineering service is available for this product range.

*Note: minimum order quantities & lead times may apply. Please contact us for further information.

SPECIFICATION

Resin Types:

Type I

Resin Base:

Isophthalic Polyester

Characteristics:

Industrial grade corrosion resistance. Resin type offers fire retardant to ASTM E84 Class 1 and flame spread index 15 or less. Operating temperature range: -50C to +105C

Applications:

Suitable for all general industrial environments. Mid concentrations of inorganic acids & alkalis.

Constituent profiles are manufactured in accordance with:

ISO 9001:2008 | EN 13706
EN 13501-1:2007

Can be fixed to:

GRP grating platforms, concrete, metal or wooden substrates

Construction methods:

Gates, fences and grilles are assembled using either rivets or stainless/galvanized bolt systems and specialist industrial adhesives. Custom made reinforcement/joining brackets & plates may also be deployed. Typical fixtures to concrete substrates are achieved using expansion anchors (stainless/galvanized or zinc plated) or chemical anchors along with plates & brackets.

BENEFITS

- > Corrosion & chemical resistant with little or no maintenance
- > Designed in accordance with BS 4592 Industrial Type Flooring & Stair Treads
- > High quality profiles and materials used in all constructions
- > Profiles available in steel grey or high visibility safety yellow
- > Long lasting & durable: GRP structures have been in service for 40+ years
- > Suitable for exterior or interior use
- > Fire retardant: materials in accordance with EN 13501-1:2007
- > Impact resistant
- > Relative light weight makes for easy transport, handling & reduced load on existing structures
- > Rapid & simple fabrication: no welding on site. Range of fasteners to suit all scenarios
- > Low electrical conductivity: good for use near electrical installations
- > Low thermal conductivity: good for use in extreme cold
- > Easily cleaned (mild detergent)
- > Fabrication and installation service available

APPLICATIONS

Typical applications:

- Wide-span security checkpoint gates for vehicle access
- Trellis fencing for suburban railway platforms
- Security palisade type fence systems
- Waterside grille applications
- Electrical installations
- Cold environments
- Worker access to machinery
- Railway restricted access & platform end applications

DESCRIPTION

Suitable for industrial and commercial environments, GRP gates, fences and grilles provide a safe, maintenance free and cost effective alternative to metal or wooden structures.

A composite gate or fence construction may comprise the following elements:

- > Structural frame or suspension sections
- > Cross bracing
- > Open mesh in-fill panels or grille inserts
- > Galvanised or stainless steel gate furniture
- > Composite self-closing gate hinges
- > Composite/steel lockable latch mechanism
- > Wall/floor fixings/fasteners/supports

Gates & fences provide worker and public safety and security in a wide variety of locations e.g. manufacturing, power generation, water treatment works, petro-chemical facilities, marinas, railways, around machinery etc.

The relative light weight of the product makes transport, handling & installation far easier than metallic products. Structures may be fully or partially assembled prior to delivery for immediate installation, or fabricated in-situ.