



## OPTIONS

### Colours:

Steel Grey (standard stock)  
Safety Yellow (to order)

### To Order:

Other resin types and any RAL colour\*

### Section Dimensions:

All bespoke made structures

### Additional Options:

GRP access ladders  
GRP staircases  
A drawing & engineering service is available for this product range.  
Please contact us for further information.

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

## SPECIFICATION

### Resin Types:

Type I

### Resin Base:

Isophthalic Polyesters

### 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:

Assembly is by plain/colour matched rivets or stainless bolt systems and specialist industrial adhesives. Custom made reinforcement/joining brackets & plates are also deployed. Typical fixtures to concrete substrates are achieved using expansion anchors (stainless/galvanized or zinc plated) or chemical anchors along with further 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:

- Access platform walkways
- Pedestrian bridges, steps & walkways
- Worker access to machinery
- Manufacturing plants
- Marine vessel applications
- Water treatment works
- Offshore wind & oil facilities
- Railway trackside applications

## DESCRIPTION

### A typical composite platform construction would comprise the following:

- > Horizontal platform frame
- > Open mesh or covered GRP grating walking surface
- > Protective GRP hand rail system (including optional kicker plate)
- > Structural columns
- > Frame and column bracing

Access to the platform by means of either:

### GRP staircase with the following elements:

- > Stringers
- > Open mesh or covered stair treads with bolted fastenings
- > Handrail system (top & mid rail, kicker toe plate)
- > Wall/floor fixings/supports

- or -

### GRP ladder with a combination of the following elements:

- > Straight ladder
- > Safety cage
- > Safety gate
- > Landing platform
- > Wall/floor fixings/supports