



OPTIONS

Colours:

Steel Grey
Safety Yellow*

Dimensions:

All bespoke made structures

Approved for potable water:

WRAS **BS 6920**

Additional Options:

GRP Anti-slip ladder rung covers
Single or Double bar safety gate

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 Type:

Type I
Isophthalic Polyester UV Stabilised

Characteristics:

Industrial grade corrosion resistance.
Offers fire retardancy to ASTM E84 Class 1 with flame spread index 15 or less and BS 476 Pt 6.
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 | EN 13706

Can be fixed to:

GRP grating platforms, concrete, metal or wooden substrates

Construction methods:

Assembled using stainless rivet & bolt systems and epoxy adhesives. Typical fixtures to concrete/brick substrates are achieved using 316 stainless steel expansion or chemical anchors along with fabricated 316 stainless brackets to suit.

BENEFITS

- > Corrosion & chemical resistant with little or no maintenance
- > Designed in accordance with:
 - BS 4211:** Specification for permanently fixed ladders
 - BS 5395-3:** Stairs, ladders and walkways. Code of practice for the design of industrial type stairs, permanent ladders and walkways
 - BS EN 14396:** Fixed ladders for manholes
 - BS EN ISO14122-4:** Safety of machinery. Permanent means of access to machinery. Fixed ladders
- > Highest quality profiles and materials used throughout 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 ASTM E84 & BS 476 pt 6
- > Impact resistant
- > Relative light weight makes for easy transport, handling & reduced load on existing structures
- > Low electrical conductivity
- > Easily cleanable (mild detergent)
- > Fabrication service available for most types of ladder

APPLICATIONS

Typical applications:

- Access to platforms & elevated structures
- Access to underground inspection areas
- Worker access to machinery
- Manufacturing plants
- Marine vessel applications
- Water treatment works

DESCRIPTION

Composite fixed access ladders are available in the following configurations:

1. Internal Access Ladders e.g., for underground inspection chambers (manholes)

Designed to BS 4211 including:

- Straight ladder with rungs at 250 mm c/c spacing
- Wall brackets designed for the manhole curvature

2. External Access Ladders e.g. for above ground elevated structures

Designed to BS EN ISO 14122-4 including a combination of any of the following elements:

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

Fixed access ladders provide for personnel safety in a wide variety of locations & all types of workplace e.g. manufacturing, power generation, water treatment works, petro-chemical facilities, marine applications, railways, around machinery etc.