



Quality isn't important, it's Vital.

UK's Advanced GRP Solutions

RAIL INDUSTRY



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Welcome to Vital GRP

At Vital GRP, we understand that every successful project begins with a foundation of trust, vision, and excellence. As a dynamic leader in the construction industry, we are committed to delivering innovative, high-quality solutions that drive long-term value for our clients and investment partners.

This brochure highlights our capabilities, and the principles that guide our work — safety, sustainability, and strategic growth. Whether you're looking to invest in a reliable construction partner or collaborate on your next ambitious project, we invite you to discover how Vital GRP turns plans into progress and builds success from the ground up.



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@vitalgrp

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Contact Details

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Our GRP Services

Tailored to your unique needs

We offer end-to-end solutions in Glass Reinforced Plastic—design, manufacture, and installation—all customized to your needs.

Whether it's a full-service project or straightforward advice, we're here to help you make the right choice.

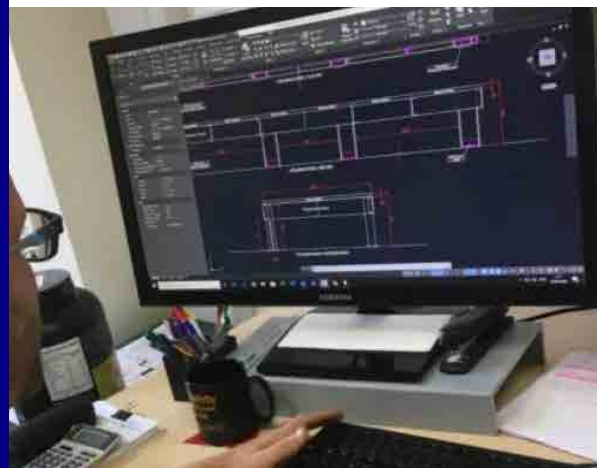
FREE Consultation

Talk to us — No Pressure.
Meet your dedicated account manager for a free, no-obligation consultation. Get expert advice, honest pricing, and a custom quote — all with zero stress.
Real solutions. Total confidence.
Hassle-free!



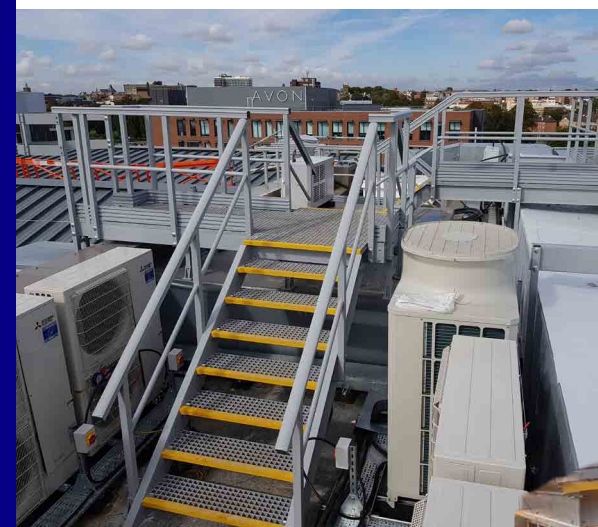
Design Support

Vital GRP provides expert CAD support to help you develop safe, efficient, and compliant GRP systems for your projects. Using advanced technology software, we work closely with your engineers and support your existing designs – collaborating to achieve the ideal GRP solution and ensuring practical, buildable results from conception to completion.



Fabrication & Installation

At Vital GRP, our in-house team delivers custom GRP components with speed and accuracy — from bespoke pieces to full-scale production. Every part is crafted using advanced technology and rigorously quality-checked.
Our trusted installation team ensures smooth, safe, and reliable execution — from planning to final fit.



Fast, Sustainable Delivery

Fast, Sustainable GRP Delivery
Across the UK & Northern Ireland —
That's the Vital GRP Standard.
From our workshop to your site, we deliver high-quality GRP products with speed, reliability, and a commitment to sustainability.

- UK-wide coverage
- Smart route planning to cut emissions
- In-house manufacturing = fewer delays
- Consistent quality, every time

Sustainability isn't a buzzword — it's how we move.

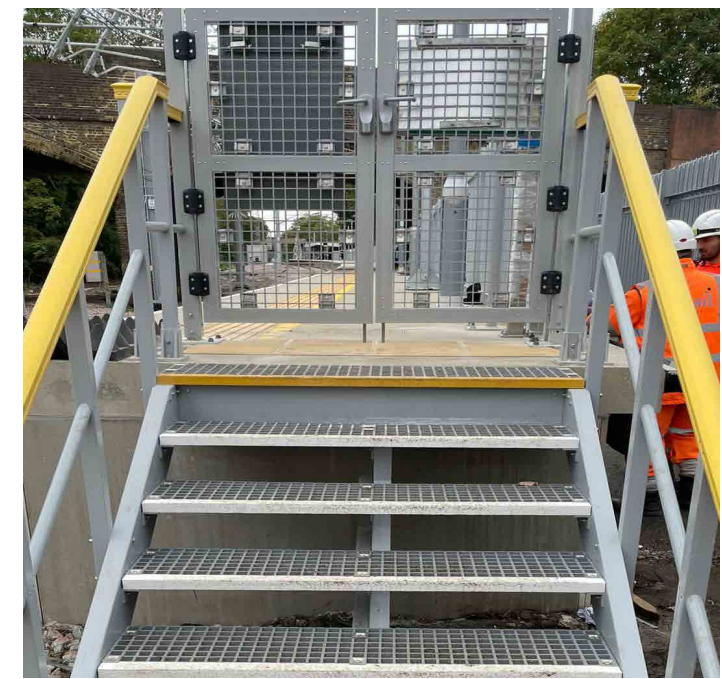


Rail Solutions

Vital GRP delivers specialised GRP solutions engineered for the demands of modern rail environments. Our non-conductive, corrosion-resistant components — including driver access platforms, embankment stairs, handrails, walkways and fencing — are designed to perform in electrified networks while maximising safety and longevity.

Supplied as prefabricated systems for rapid, low-disruption installation, our rail products offer a smarter, more sustainable alternative to traditional materials.

End of Platform Steps & Gates



Keep unauthorised people out while making staff access safer. Our fencing and screening options deter curious individuals from exploring hazardous or restricted areas, while GRP Steps make it easier and safer for maintenance crews to reach the track.

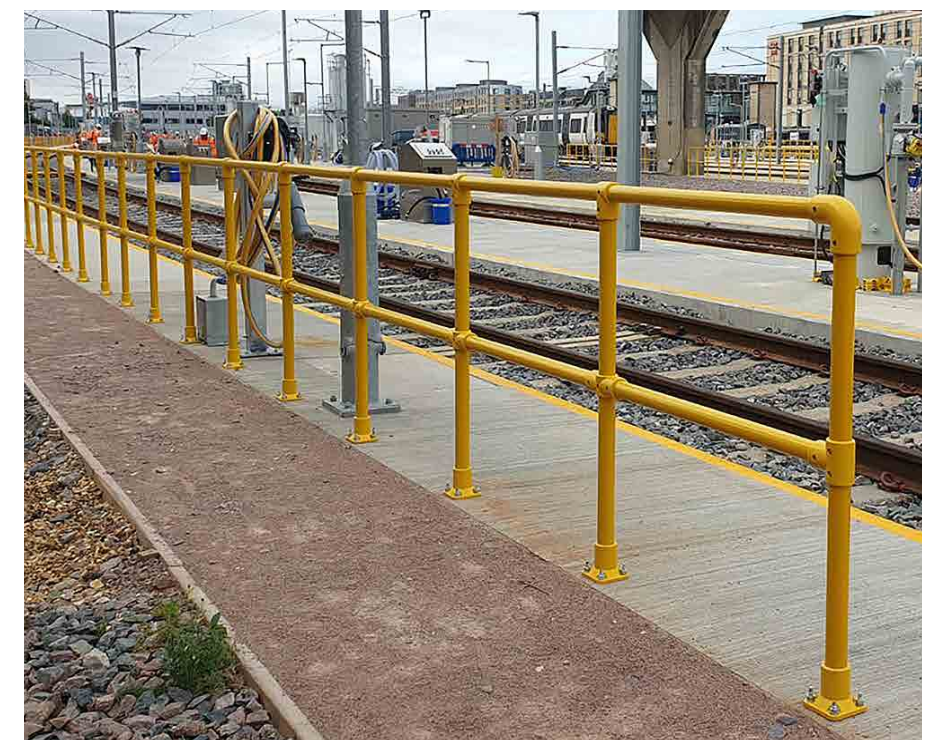
Not just for platforms! We can supply steps to provide access to any number of things from platforms and walkways to building entrances and roof tops.

Handrails

Handrails aren't just for steps and stairs - they are also an effective tool for controlling or guiding the flow of foot traffic to keep passengers and maintenance teams safe.

SafeClamp Tubular Handrail System provides snag-free guidance, ideal for:

- Queue control
- Creating directional walkways and one-way systems
- Reducing walking speed on the approach to platforms, road crossings, staircases and other hazards
- Edge protection
- Car park safety
- Compliant with NWR 1.25kn/m² loading requirements



GRP Embankment Staircase

Safe access on challenging terrain

Steep, uneven slopes between roads and railway tracks demand more than just standard access solutions—they require intelligent, site-specific design. Vital GRP embankment staircases offer a robust, lightweight, and anti-slip solution for safe access across mounds, embankments, and trackside environments.

Our GRP staircases are constructed using pultruded GRP sections and QuartzGrip Open Mesh Anti-Slip Grating, delivering exceptional durability and resistance to corrosion, fire, and weathering.

Designed to meet Network Rail specifications, each staircase includes:

- Mid-flight platforms and safety gates to prevent falls onto the track
- Contrasting nosing and continuous handrails for enhanced visibility and compliance
- Integral guardrails and anti-slip surfaces for secure footing in all conditions

Optional features such as self-closing safety gates, security gates, and LED lighting can be incorporated to suit operational needs.

Custom-Built for Every Site

Every staircase begins with a detailed site survey. Our CAD engineers then develop bespoke designs tailored to the terrain and usage requirements.

Fabrication takes place in our workshop, with staircases delivered in modular sections for rapid installation—either by our team or by on-site contractors using our easy-to-assemble system.



We're with you every step of the way.

FIRST CONTACT

Call or email us, and you will hear from us as soon as possible to discuss your requirements.

INITIAL QUOTE

We provide you with price guidance to help you decide whether to proceed with a product-only option or our full GRP Services.

SURVEYORS

Depending on the complexity of your project, our surveyor may need to visit your site to take accurate measurements

DESIGN SUPPORT

Using the site survey and your existing designs, our in-house CAD team will develop the optimal GRP solution tailored to your project. We will work closely with you throughout the design phase, refining the proposal as needed until it is approved by our contracts team for final sign-off.

BUILD & QUALITY CHECKS

Upon design and cost approval, our fabrication team will build your structure or cut the materials in our state-of-the-art workshop to the highest quality standard before being shipped off. Additional fixing are attached for the final destination

INSTALLATION

Our highly trained and experienced installation teams are fully certified to work in all kinds of environments including Tracksides. They'll be prepared with tools, spare fixings and required PPE on site once materials arrive.

SIGN OFF

Once we're happy with what we've done, you'll be invited to inspect the work and check that you too are pleased with the finished project. Once any snagging is completed, the job will be signed off and your GRP solution is good to go.



TrackSafe (TS) Walkway Systems

4 TrackSafe Systems

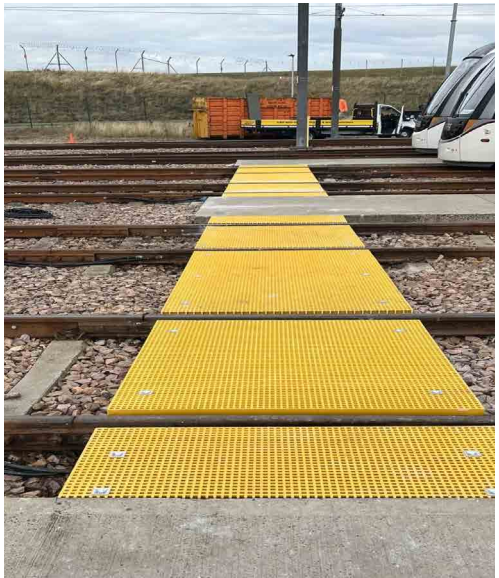
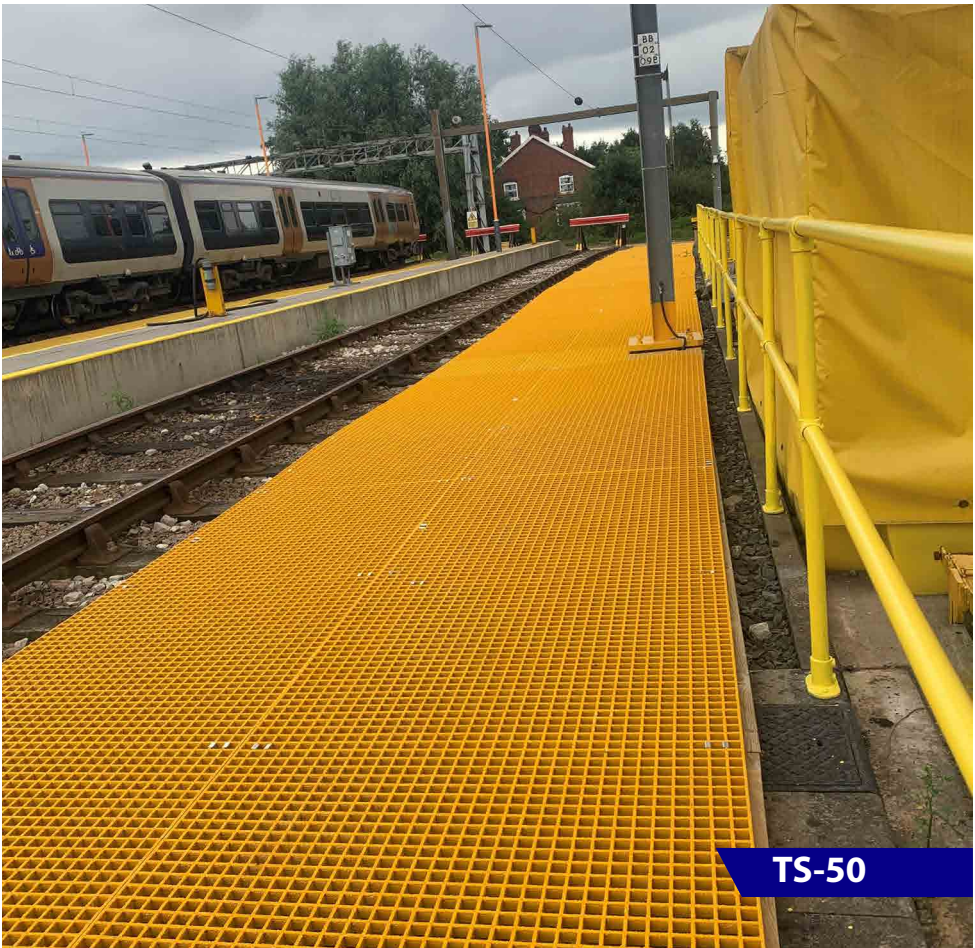
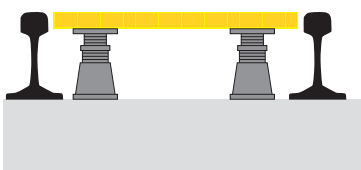
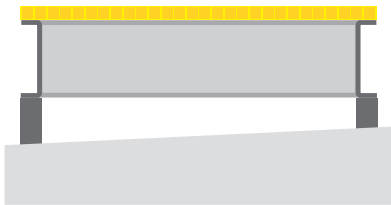
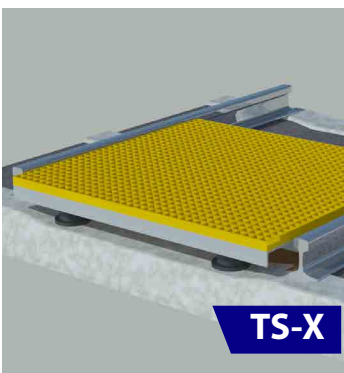
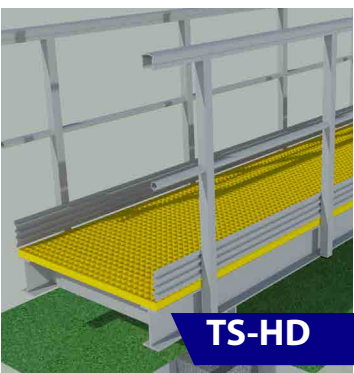
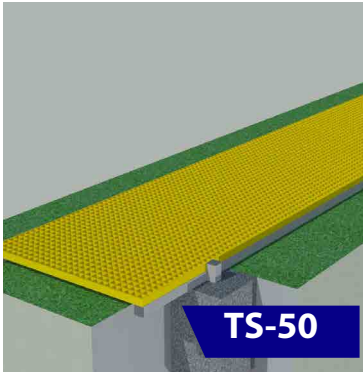
We’ve been providing Track & Cess Walkways for years and, while there isn’t a ‘one-size-fits-all’ solution, we have now developed a range of four standard options that can be adjusted to meet everyone’s needs.

Each one is supplied in modular form with clear, concise diagrams to enable rail engineers to assemble it on site.

Get in touch today to discuss which solution will work best for you.

TRACKSAFE SYSTEMS	TS-50	TS-150	TS-HD	TS-X
Standard install method	Ground	Raised	Heavy Duty Raised	Track
GRP Frame	50mm Box	150 or 200mm Channel	200 x 100mm I-Beam	Pedestal
Standard Flooring	38mm Mesh	38mm Mesh	50mm Mesh	38mm Mesh
Safe Working Load	5 kN/m ²	5 kN/m ²	14 kN/m ²	5 kN/m ²
SafeRail Ergonomic Handrail	-	0.84 kN/m ²	0.84 kN/m ²	-
OPTIONAL UPGRADES	TS-50	TS-150	TS-HD	TS-X
Flooring	-	Closed Mesh	Closed Mesh	Closed Mesh
LED Lighting (LUX) to flooring or handrail	Yes	Yes	Yes	No
SafeClamp Handrail	-	Yes	Yes	-

* TS-50 System can be placed directly on hard-standing or embedded into soft ground



TrackSafe GRP Mesh Track Walkways provide a non-slip surface for engineers to move around on while highlighting the potential pedestrian hazard to drivers.

- Non-sparking and non-corrosive
- A long-lasting, low-maintenance alternative to timber, concrete, gravel and steel
- Anti-slip even in wet, icy or oily conditions
- Quick and easy to install without the need for heavy lifting equipment
- Provides a safe walking route for NWR operatives and passengers should they need to evacuate the train before a station
- Safe track crossing within depots
- Can reduce labour costs on site
- Available in a range of four systems to suit your requirements
- Each system can be made to your bespoke requirements
- Optional lighting available in the LUX systems

LOC Staging Platforms



Railway Location Cabinets (LOCs) offer secure housing for rail signalling and related equipment.

Our GRP LOC platforms provide a non-slip, non-conductive environment for rail engineers handling cabinet installation and maintenance.

In collaboration with Anchor Systems, our platforms are modular, easily positioned, and assembled onsite. They are durable, require zero maintenance, and offer safety features such as anti-slip grating, high-visibility handrails, and nosings.

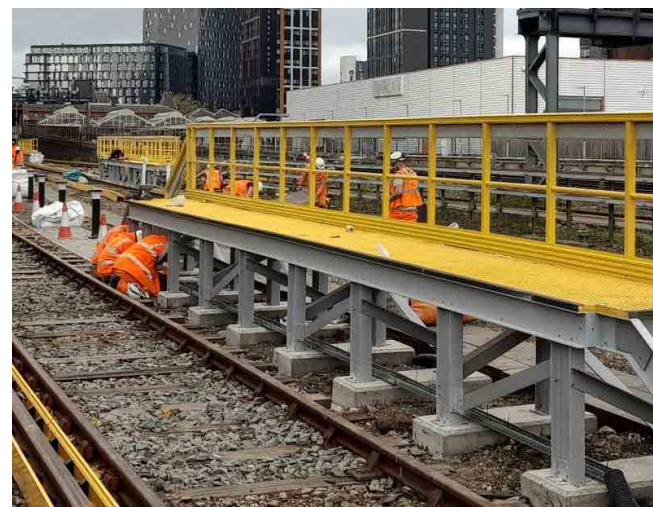
Features of LOC Platforms

- No lifting equipment needed
- Quick and easy assembly
- Installable in one shift
- Maintenance-free
- Non-slip and non-conductive

Driver's Access Platforms

Whether you're getting people on or off the train, a sturdy Access Platform at the height of the train floor is essential.

- Provides safe access to rolling stock for maintenance or NWR operatives
- Provides safe access for cleaners, drivers, other associated contractors and, if required, passengers
- Can be installed on curved sections of track and on areas that have uneven ground surrounding the track
- Designed to BS standards and NWR standards 5kn/m² loading
- Anti-slip stairs have Equalities Act compliant nosings
- GRP substructure framework will not rust or spark



Permanent Maintenance Platforms

No matter which part of the train you need to reach, a GRP Maintenance Platform provides a safe, stable, and non-conductive working environment. These platforms run along the length of the train, on both sides, and at different levels, enabling immediate work upon a vehicle's arrival.

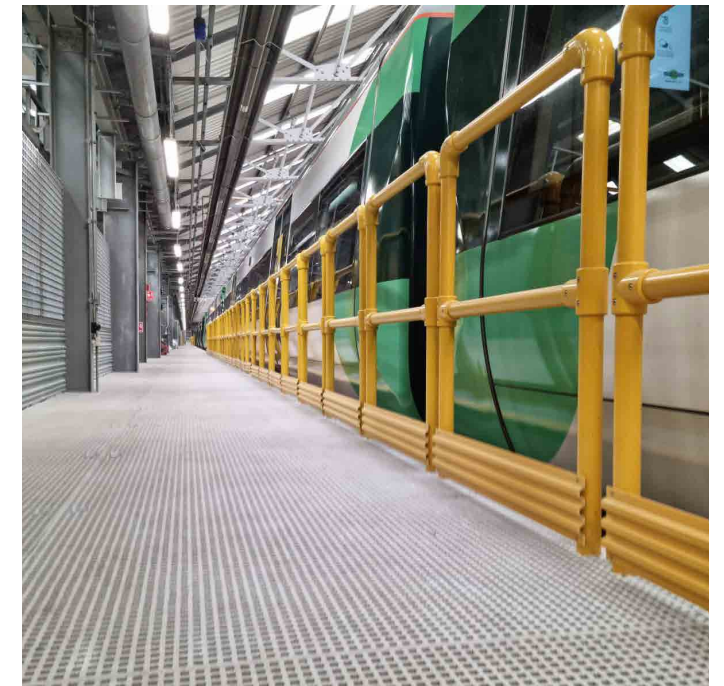
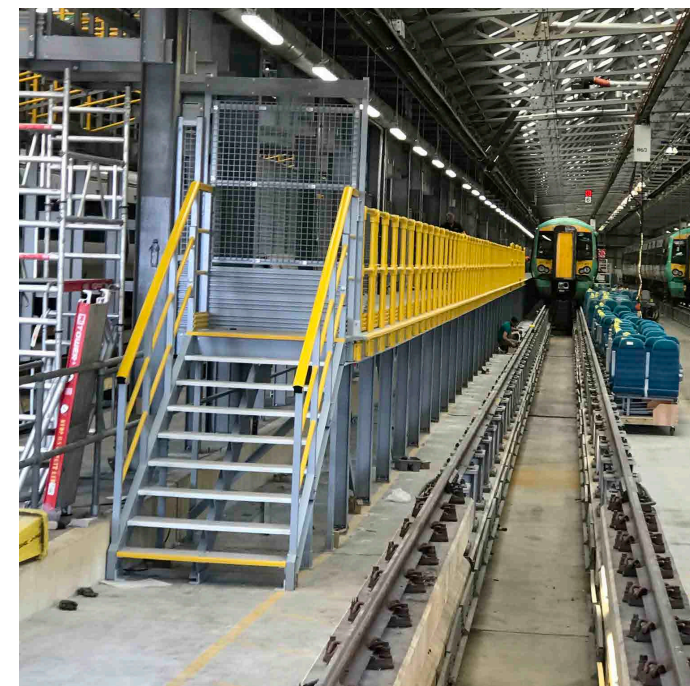
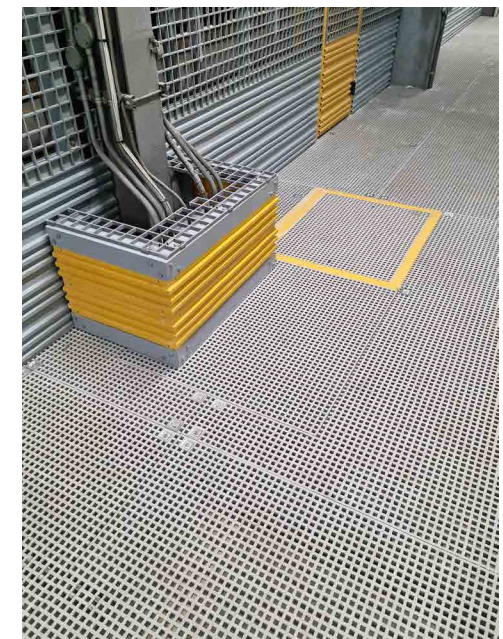
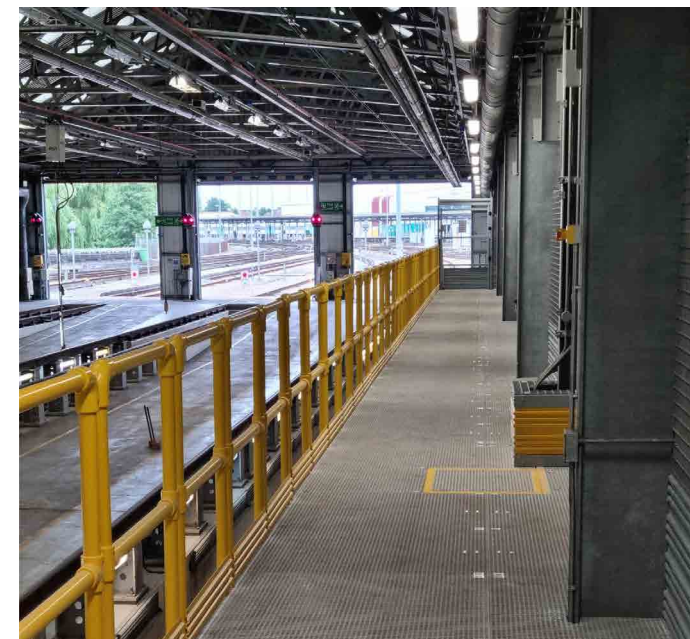
From cleaning the train to inspecting or repairing HVAC systems, these platforms accommodate as many crew members as needed, ensuring a fast, efficient turnaround without compromising safety.

Key Features

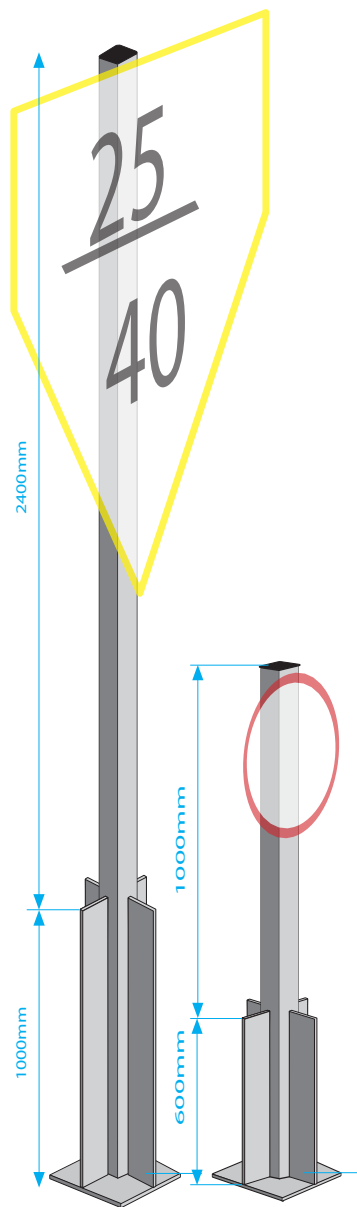
Step Overs: Allow crew to switch sides easily

Access Stairs: Placed at regular intervals for quick emergency evacuation

Handrails and Self-Closing Gates: Help prevent over-reaching and falling, ensuring maximum safety



LitePost



No more costly and time-consuming concrete works.

Constructed from zero-maintenance GRP with stainless steel bolts, LitePosts are held securely in place by the ballast or soil they sit in, eliminating the need for a concrete anchor.

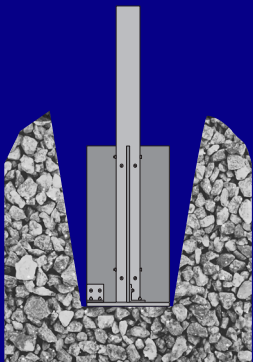
LitePosts are available in a number of configurations to suit low-level and high-level signage, SPTs and small electrical equipment housings.

- No concrete
- No spoil removal required
- No plant/lifting equipment
- Reduces installation time
- Reduces construction risks in third rail and OLE areas
- No scrap value
- Can be reused

TWO STEP INSTALLATION

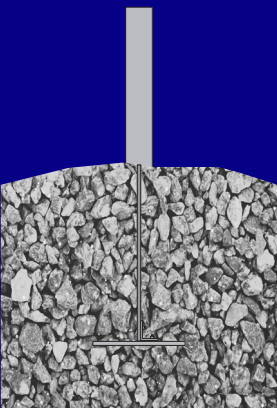
Step 1: Dig a hole

Dig a hole deep enough and wide enough to take the base and fins. This can be in ballast, soil or mixed aggregate. Position the LitePost

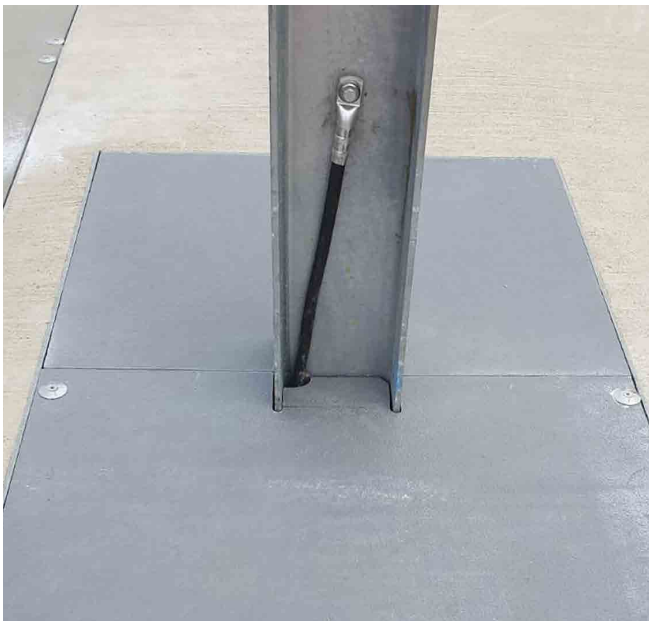
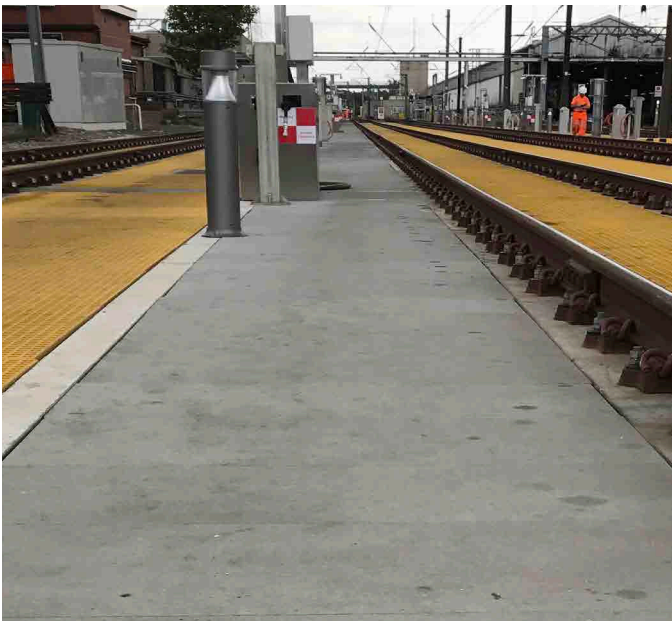


Step 2: Backfill the hole

The weight of the ballast will hold the post down while the fins prevent it from twisting. And you can dig the post out to re-use later.



Trench Covers

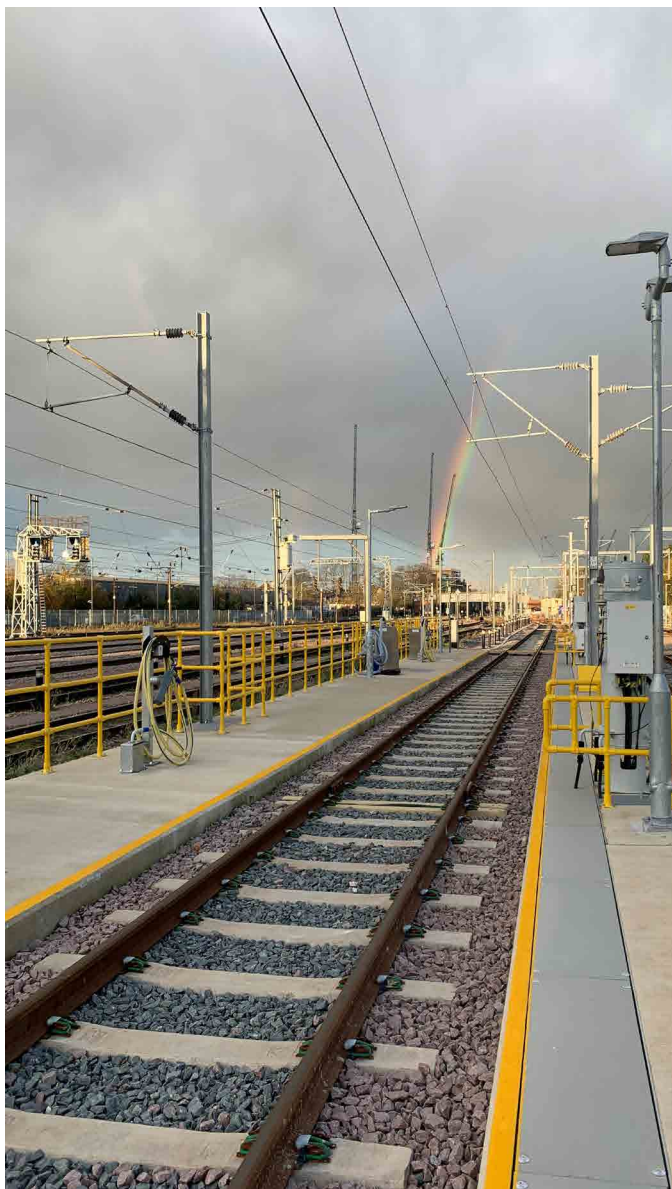


Whether a trench cover is for pedestrian or vehicular access, Solid Top GRP Panels provide a tough, slip-resisant and smooth surface ensuring a trip-free solution while protecting what lies beneath.

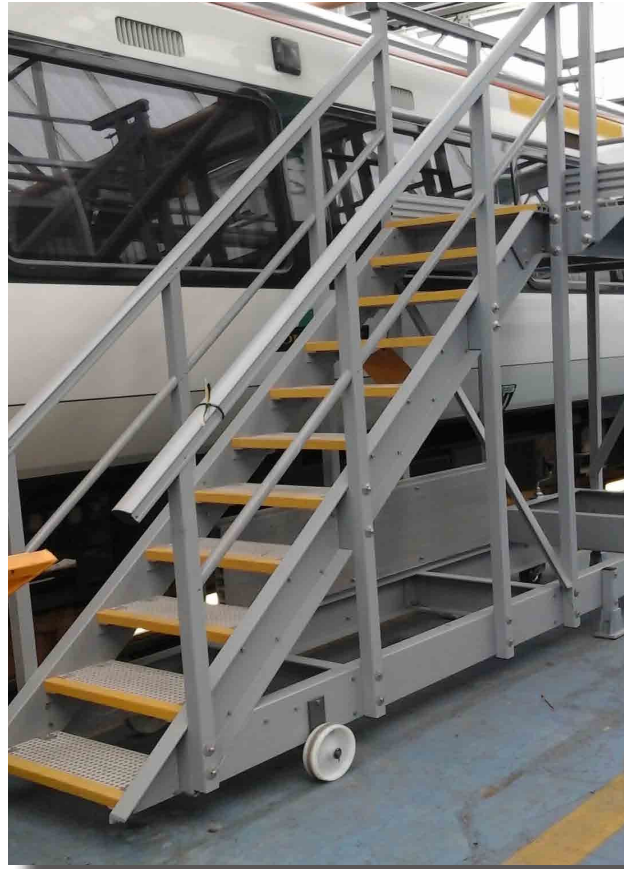
Solid Top Flooring is suitable for a variety of industrial applications and environments. Effectively a standard mesh panel with an anti-slip flooring plate bonded to one side, the solid surface allows smoother movement of wheeled traffic, prevents objects falling through to the level below, and when used as a cover or lid, provides odour retention for storage tanks etc.

Features of QuartsGrip Solid Top Panels

- A fraction of the weight of concrete slabs
- They are easier to install and, with handles or eyelets fitted, ideal for manhole covers or access panels
- Interlocking panels can be sealed to create a water-tight finish
- Can replace existing covers or be fitted from scratch with GRP profiles providing the framework
- Load options include A15 Pedestrian and B125, C250 and D400 Vehicular



Mobile Platforms



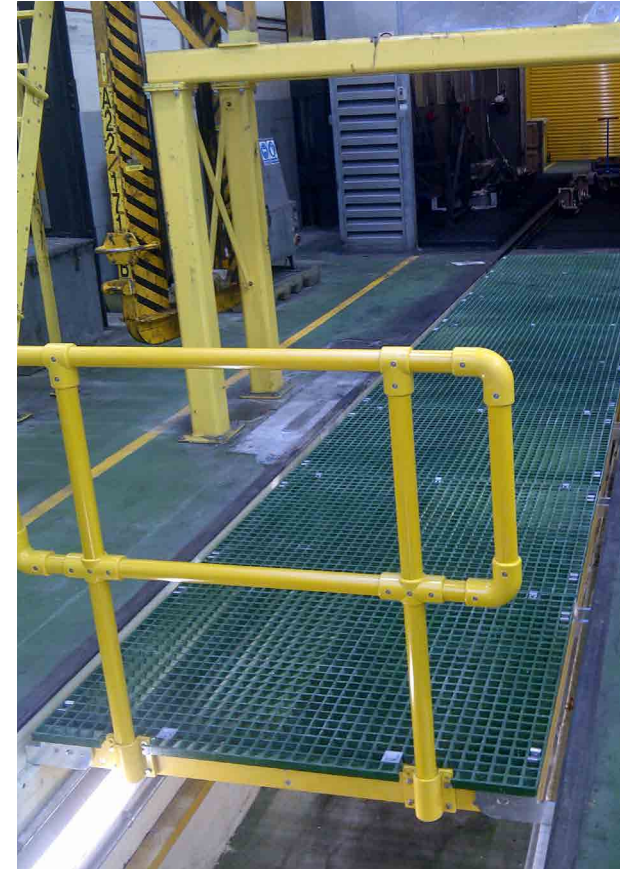
- Safe access for NWR operatives to rolling stock, roofs and access points for maintenance
- Designed to BS standards and NWR standards 5kn/m2 loading
- Lightweight for easy manoeuvrability
- Safe access for cleaners, drivers, other associated contractors and, if required, passengers
- Stairs have contrasting anti-slip nosings as standard

Pit Ladders



- Provide safe and easy access to maintenance pits
- Designed to NWR/LU standards
- Bespoke, lightweight and hard wearing
- Grab handle makes it easy to move ladders along the pit
- Also available with a removable handrail
- Can be supplied with extension plate

Pit Boards



- Cover unused maintenance pits to prevent falls and to allow safe and easy passage across them
- Designed to NWR/BS standards
- Easy to move along the pit (comes with grab handle)
- Can be a single pit board at 1320 x 1220 or longer by connecting more than one board together

Catch Pit Covers



GRP Standard Mesh Grating is an ideal alternative to heavy concrete versions.

- Quick and easy to install
- For use on standard sized Catchpit collars
- 25mm or 38mm thick blue grating
- Can be fixed to existing concrete ring structures
- Lightweight trackside handling
- GRP Catchpit Covers have no scrap value, so are less likely to disappear overnight

GRP Material Characteristics

Slip-Resistant QuartzGrip® moulded fibreglass grating has an integral, angular quartz gritted surface tested in accordance with BS 7976-2. It provides an exceptional level of slip-resistance in all directions. Lifespan depends on frequency of use.

Chemical Resistant GRP is resistant to a wide range of chemicals, across a wide temperature spectrum. It can also be made using different resin systems to achieve specific chemical resistance properties.

Fire Resistant All products contain a fire resistant additive and comply with Euro Class 1 and ISO 11925-2. Performance is equivalent to ASTM E84 Class A and BS 476 part 7 Class 2 flame spread to give a 30 minute burn time.

Non-Conductive GRP has zero metal content so is non-conductive.

Economical In most cases, GRP equivalents to steel components are much cheaper to buy. Add to that the reduction in handling and maintenance costs and GRP is the smart choice.

Quality Assured Manufactured in accordance with our ISO 9001 accredited Quality Management System, the structural integrity of the material is high grade. A suggested lifespan of 25 years can be expected based on a number of variables: environmental, installation process, maintenance, loading and traffic conditions.

Self-coloured All QuartzGrip® moulded fibreglass grating and GRP Profiles are pigmented throughout during manufacture and do not require any secondary treatments such as powder coating or paint spraying.

Lightweight & Durable Weighing a fraction of the steel equivalents, GRP is lightweight in comparison and can be manoeuvred into place without mechanical assistance. It is exceptionally durable and has the ability to withstand impact, reducing the risk of permanent buckling or deformation.

UV Stable All products are manufactured with a high quality UV inhibitor to prevent colour degradation.

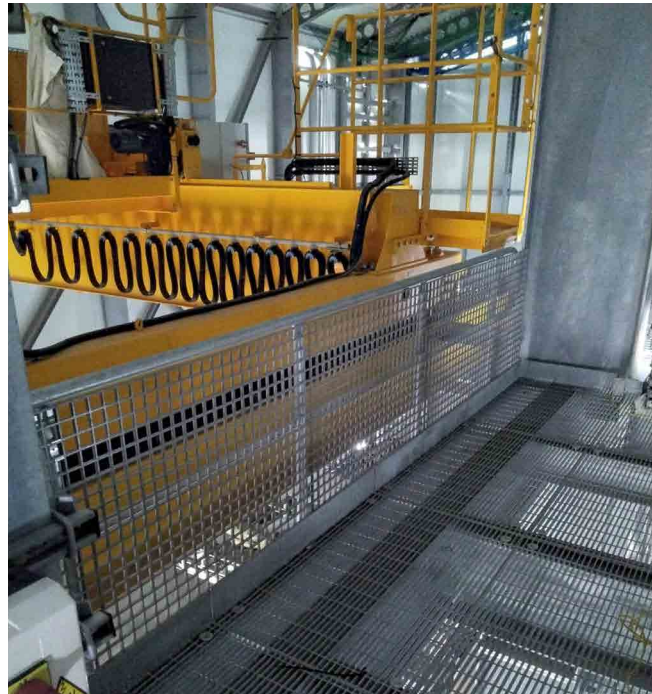
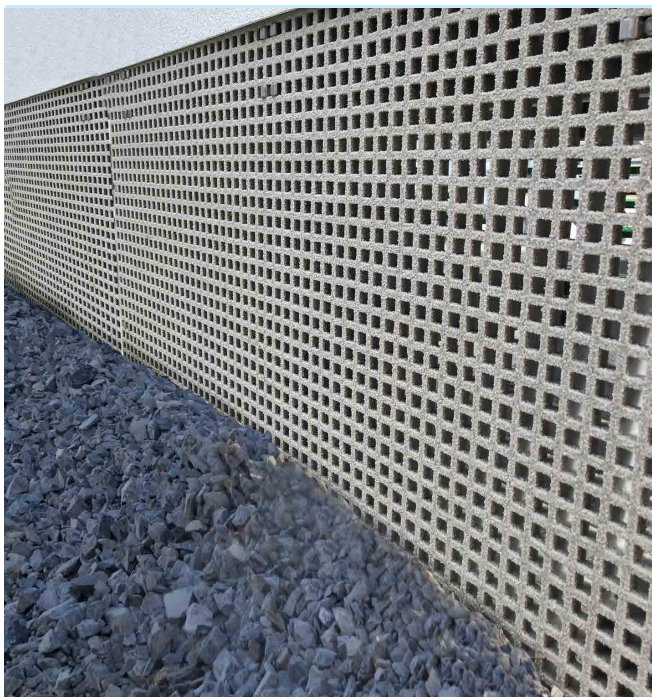
Bridge Walkways



Give bridges a new lease of life by upgrading the floor surface with Solid-Top or Anti-Slip Flooring Sheets and replace rotten or rusting handrails with smart GRP ones.

A GRP bridge can be used to cross tracks or ditches, improve access to car parks and station buildings.

Debris Screens



Stop litter and plant debris from collecting to form untidy fire hazards.

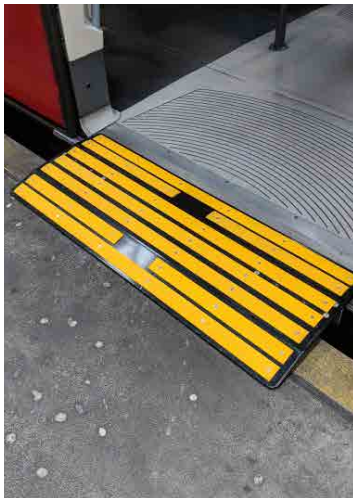
- Lightweight screen mesh prevents build up of debris under platforms and walkways
- Reduces the risk of delays caused by debris on the tracks
- Reduces fire risk
- Reduces maintenance requirements

Access Ramps



Assist travellers with wheelchairs, pushchairs, bicycles and rolling luggage.

- Permanent ramps to circumvent steps and stairs are invaluable to passengers with wheels of any kind
- We can also make moveable, versions to assist with the gaps between train and platform



Threshold Ramps

- Provide safe access across the gap for passengers in wheelchairs, buggies and maintenance crews with trollies
- Designed to suit gaps ranging from 100mm to 200mm and loadings up to 350kg

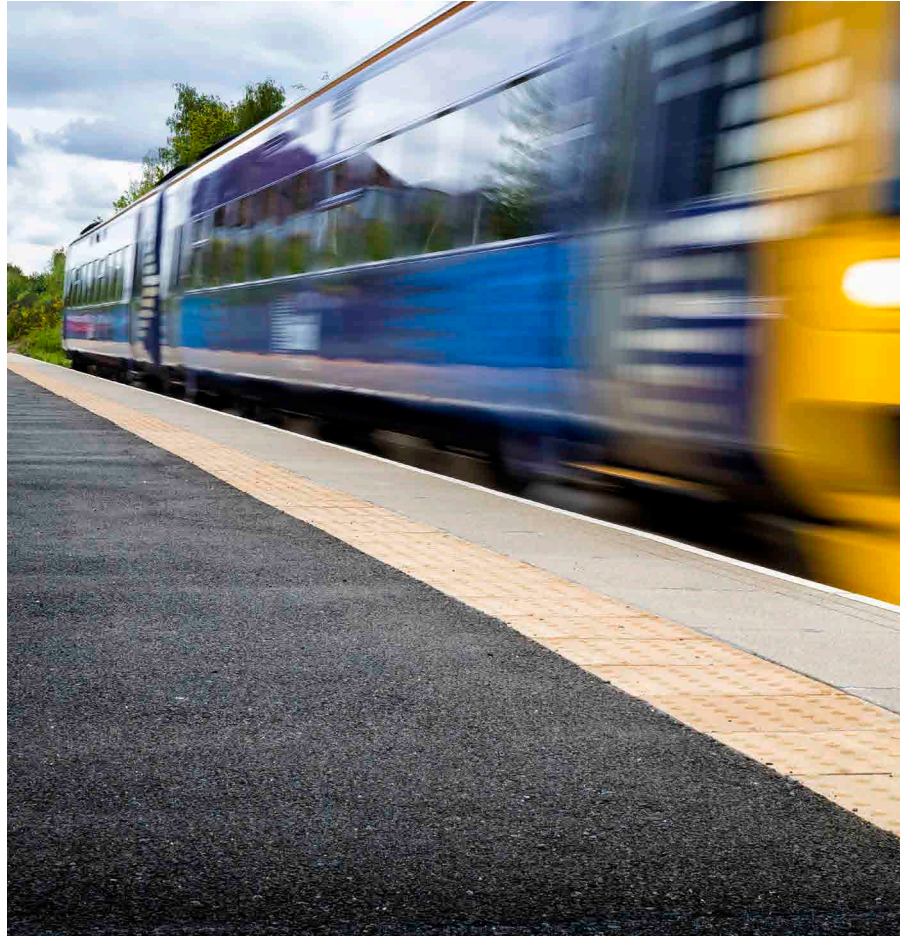
Ballast Retention



Keep ballast or soil in place.

- Can be made bespoke to location and loading
- Standard thickness 50mm mesh or solid-top
- Lightweight option compared to steel or concrete
- A solution for ballast/soil retention on embankments, along trackside and HCE on bridge applications
- Class 1 fire resistant

Platform Refurbishment



For tired-looking platforms where the existing surface has worn or cracked, a simple GRP facelift offers a quick, easy and economical option.

By covering the area with either flat plate or solid top flooring, adding tactile strips and hi-vis yellow strips for the visually impaired, a platform can be rejuvenated in no time at all.

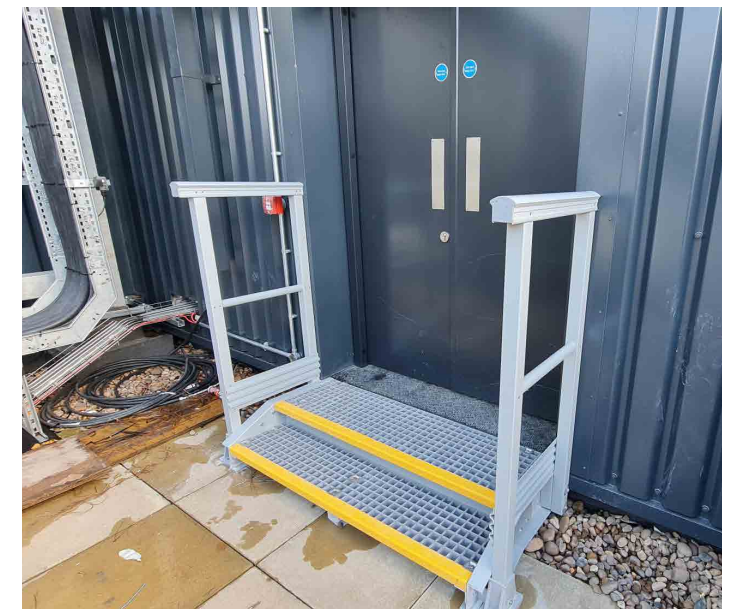
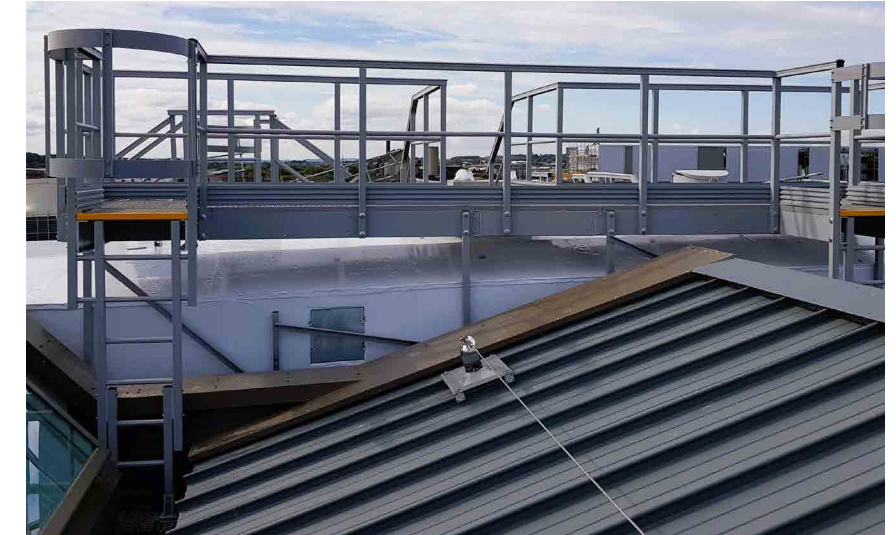
- Can consist of replacement tactiles, replacement or overlay anti-slip deck, including the nosing
- Entire platform extensions built and fabricated out of GRP, including the sub structure framework
- Designed to BS standards and NWR standards 5kn/m2 loading
- Overlay systems designed in 18mm GRP incorporating flush tactile plates and nosing, with adjustable pedestal system underneath to account for height differences
- Interchangeable tactile, nosing and deck for easy maintenance with a flush finish without grouting
- Fast installation for minimal disruption and reduced costs
- Durable and weather-resistant non-slip surfaces
- No welding or hazardous assembly techniques
- No painting required
- Little or no maintenance costs

Roof Walkways

If it's not the top of the train that needs attention it could be the roof of the train shed or station.

Roof walkways give safe access to allow building and systems maintenance even if the roof was not designed to be walked on.

From gantries, step overs, platforms, steps and ladders, a well designed roof-top system will ensure every part of the roof can be safely reached and safely evacuated in an emergency.



GRP Produce Range

Our products are held in stock at our warehouse, which means we can get the supplies you need to you as quickly as possible.

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vitalgrp.co.uk



GRP Standard Mesh Grating

QuartzGrip GRP Open Mesh Grating helps prevent slips, trips, and falls in hazardous industrial, commercial and public areas. QuartzGrip fibreglass provides greater corrosion resistance than galvanised steel products and lower costs than stainless steel products.

Functions of QuartzGrip GRP Open Mesh Grating

QuartzGrip Fibreglass Open Mesh Floor Grating is suitable for use in commercial and industrial environments, including walkways, platforms, wash bays, work stations, drains, gullies, stairs, ramps and pontoon decking.

GRP Standard Mesh Grating can also be used for sump-covers, pit, pond and well covers as well as service riser covers and machine guards.

We also offer Mini Mesh Grating, ideal for Access Bridges, Berthing Stations, Marinas and Tidal Brows.

Quality Guaranteed

All QuartzGrip® Fibreglass Open Mesh Gratings are manufactured to ISO 9001 quality standards, with a high glass content for superior load-bearing capabilities and corrosion resistance.

Our QuartzGrip GRP Open Mesh Grating can be cut to any size and is finished as standard with a durable and hard-wearing angular quartz grit that provides an excellent level of slip resistance in wet, oily and icy conditions. Alternatively, if you require a smooth surface, concave, or conductive carbon-gritted surface, this can be supplied upon request.

OPEN MESH GRATING STAIR TREADS

- Mesh bar centres 38 x 38mm • Open hole size 32 x 32mm
- 55mm DDA Nosing • Isophthalic resin • Standard grit finish

PRODUCT CODE	THICKNESS	DIMENSIONS	COLOUR
TRD-38-10-272-G	38mm	1000 x 272mm	Black/ Black&Yellow/ Green/Grey/ Grey&Yellow/ Yellow

Why QuartzGrip GRP Open Mesh Grating?

Vital GRP moulded QuartzGrip GRP Open Mesh Grating is a superior anti-slip alternative to conventional galvanised and stainless steel grating.

QuartzGrip GRP Open Mesh Grating is:

- Corrosion-resistant
- Maintenance-free
- High-strength and durable
- Lightweight and easy to install
- Anti-slip, even in wet or icy conditions
- Long-lasting
- Fire-resistant

All our panels are available from stock and, if required, can be cut to size before despatch. Bespoke RAL colours available - minimum order quantities apply.

To discuss your requirements, please call 01206 396 446

STANDARD OPEN MESH GRATING

- Mesh bar centres 38 x 38mm • Open hole size 32 x 32mm • Isophthalic resin • Standard grit finish

PRODUCT CODE	THICKNESS	DIMENSIONS	COLOUR
SM-25-20-10-GN-G	25mm	1987 x 997mm	Green
SM-25-20-10-GY-G	25mm	1987 x 997mm	Grey
SM-25-20-10-YE-G	25mm	1987 x 997mm	Yellow
SM-25-30-10-GN-G	25mm	3010 x 997mm	Green
SM-25-30-10-GY-G	25mm	3010 x 997mm	Grey
SM-25-30-10-YE-G	25mm	3010 x 997mm	Yellow
SM-25-36-12-GN-G	25mm	3660 x 1220mm	Green
SM-25-36-12-GY-G	25mm	3660 x 1220mm	Grey
SM-25-36-12-YE-G	25mm	3660 x 1220mm	Yellow
SM-38-20-10-GN-G	38mm	1987 x 997mm	Green
SM-38-20-10-GY-G	38mm	1987 x 997mm	Grey
SM-38-20-10-YE-G	38mm	1987 x 997mm	Yellow
SM-38-30-10-GY-G	38mm	3010 x 997mm	Grey
SM-38-30-10-YE-G	38mm	3010 x 997mm	Yellow
SM-38-36-12-GN-G	38mm	3660 x 1220mm	Green
SM-38-36-12-GY-G	38mm	3660 x 1220mm	Grey
SM-38-36-12-YE-G	38mm	3660 x 1220mm	Yellow
SM-50-20-10-GN-G	50mm	1990 x 1024mm	Green
SM-50-20-10-GY-G	50mm	1990 x 1024mm	Grey
SM-50-30-10-GN-G	50mm	3012 x 997mm	Green
SM-50-30-10-GY-G	50mm	3012 x 997mm	Grey
SM-50-30-10-YE-G	50mm	3012 x 997mm	Yellow
SM-50-36-12-GN	50mm	3660 x 1220mm	Green
SM-50-36-12-GY	50mm	3660 x 1220mm	Grey
SM-50-36-12-YE	50mm	3660 x 1220mm	Yellow

EDGING RAMPS

- Mesh bar centres 38 x 38mm • Open hole size 32 x 32mm • Orthophthalic resin • Standard grit finish

PRODUCT CODE	THICKNESS	DIMENSIONS	COLOUR
RE-25-20-01-YE-G	25mm	2000 x 120mm	Yellow
RE-38-20-01-YE-G	38mm	2000 x 120mm	Yellow

GRP Mini Mesh Grating

QuartzGrip GRP Mini Mesh Grating is a modern alternative to conventional timber, steel or plastic flooring, providing an anti-slip surface underfoot that helps prevent slips, trips and falls in naturally hazardous areas. The holes are just 12mm x 12mm conforming to the industry standard ball test, while preventing water from pooling on the surface. Ideal for maintenance platforms and trough covers.

GRP Mini Mesh Applications

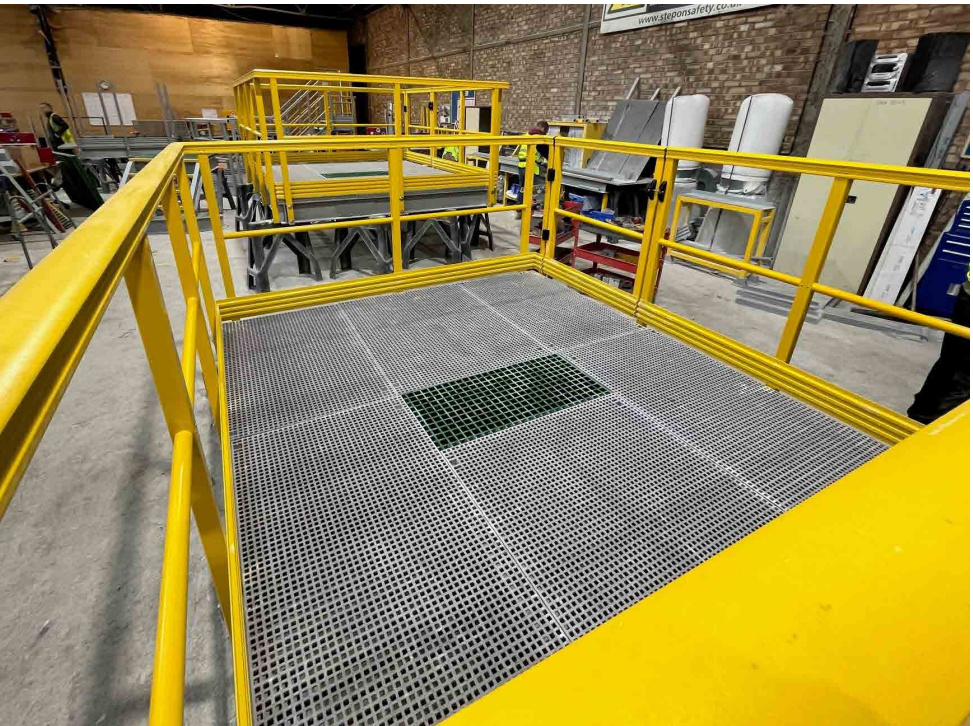
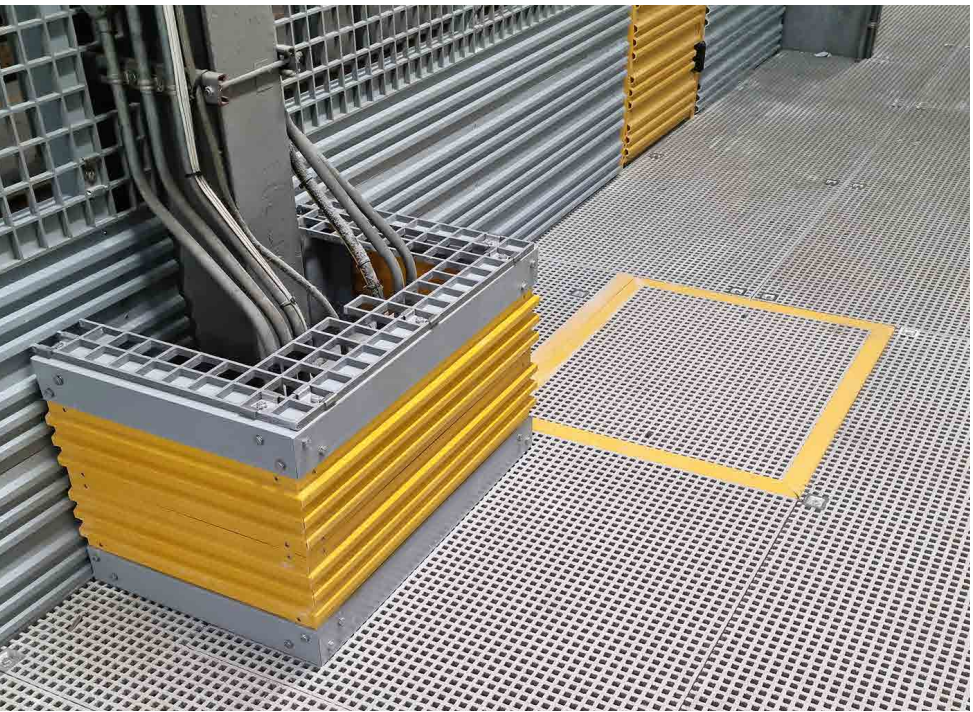
QuartzGrip GRP Mini Mesh has been successfully installed in station, depot and trackside environments, including: Access gantries, Station ramps, Trench covers, Access stairs, Step Overs, Debris screens

Anti-Slip Mini Mesh Grating

The integral gritted non-slip surface of our QuartzGrip Mini Mesh has been tested in accordance with BS 7976-2 (Coefficient of Friction Test). It provides exceptional traction on walkways exposed to the elements and is also algae and moss-resistant.

MINI MESH GRATING

- Mesh bar centres 20 x 20mm • Openhole size 12 x 12mm • Orthophthalic resin • Standard grit finish



Benefits of GRP Mini Mesh Grating

With greater corrosion resistance than galvanised steel products and lower costs than stainless steel, Mini Mesh Grating is both long-lasting and cost-effective.

QuartzGrip GRP Mini Mesh Grating is:

- Anti-slip, even when icy or wet
- Simple to install
- Lightweight
- Maintenance-free
- Corrosion-resistant
- High-strength
- Impact-resistant
- Fire-resistant

PRODUCT CODE	THICKNESS	DIMENSIONS	COLOUR
MM-14-30-10-BE-G	14mm	3007 x 1007mm	Beige
MM-14-30-10-BK-G	14mm	3007 x 1007mm	Black
MM-14-36-12-BE-G	14mm	3647 x 1247mm	Beige
MM-14-36-12-BK-G	14mm	3647 x 1247mm	Black
MM-14-36-12-GN-G	14mm	3647 x 1247mm	Green
MM-14-36-12-YE-G	14mm	3647 x 1247mm	Yellow
MM-22-30-10-BE-G	22mm	3007 x 1007mm	Beige
MM-22-30-10-GN-G	22mm	3007 x 1007mm	Green
MM-22-30-10-GY-G	22mm	3007 x 1007mm	Grey
MM-22-40-12-BE-G	22mm	4047 x 1247mm	Beige
MM-22-40-12-GN-G	22mm	4047 x 1247mm	Green
MM-22-40-12-GY-G	22mm	4047 x 1247mm	Grey
MM-22-40-15-BE-G	22mm	4047 x 1527mm	Beige
MM-22-40-15-GY-G	22mm	4047 x 1527mm	Grey
MM-30-30-10-BE-G	30mm	3007 x 1007mm	Beige
MM-30-30-10-GN-G	30mm	3007 x 1007mm	Green
MM-30-30-10-GY-G	30mm	3007 x 1007mm	Grey
MM-30-40-12-BE-G	30mm	4047 x 1247mm	Beige
MM-30-40-12-GN-G	30mm	4047 x 1247mm	Green
MM-30-40-12-GY-G	30mm	4047 x 1247mm	Grey
MM-38-30-12-BE-G	38mm	3007 x 1247mm	Beige
MM-38-30-12-GN-G	38mm	3007 x 1247mm	Green
MM-38-30-12-GY-G	38mm	3007 x 1247mm	Grey
MM-38-40-12-YE-G	38mm	4047 x 1247mm	Yellow

Solid Top Mesh Grating

QuartzGrip Solid Top Flooring is suitable for a variety of industrial applications. The solid surface allows smoother movement of wheeled traffic, prevents objects falling through to the level below, and when used as a cover or lid, provides odour retention for storage tanks etc.

Lightweight panels can also be supplied as manhole covers or access hatches, complete with lifting slots, stainless steel hinges or handles which can be manufactured to suit 1 or 2 man material handling limits.

SOLID TOP MESH GRATING

- Solid top, mesh bottom
- Isophthalic resin
- Standard grit finish
- Fire-resistant

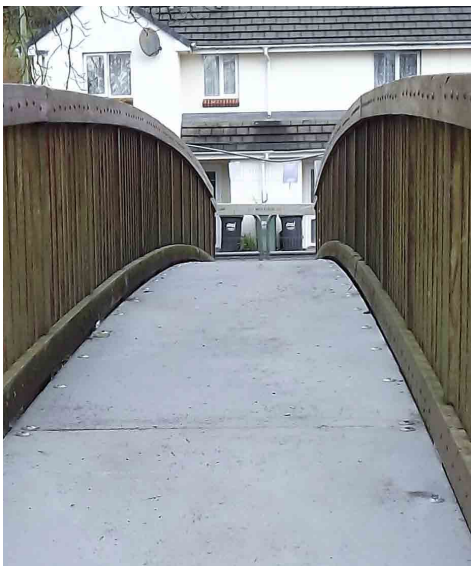
PRODUCT CODE	THICKNESS	DIMENSIONS	COLOUR
ST-29-20-10-GN-G	29mm	2007 x 1007mm	Green
ST-29-20-10-GY-G	29mm	2007 x 1007mm	Grey
ST-29-30-10-GN-G	29mm	3007 x 1007mm	Green
ST-29-30-10-GY-G	29mm	3007 x 1007mm	Grey
ST-29-36-12-GN-G	29mm	3660 x 1220mm	Green
ST-29-36-12-GY-G	29mm	3660 x 1220mm	Grey
ST-42-20-10-GY-G	42mm	2007 x 1007mm	Grey
ST-42-30-10-GY-G	42mm	3007 x 1007mm	Grey
ST-42-36-12-GY-G	42mm	3660 x 1220mm	Grey
ST-54-30-10-GY-G	54mm	3007 x 1007mm	Grey
ST-54-36-12-GY-G	54mm	3660 x 1220mm	Grey



SANDWICH PANELS

- Solid top, solid bottom
- Isophthalic resin
- Standard grit finish
- Fire-resistant

PRODUCT CODE	THICKNESS	DIMENSIONS	COLOUR
SW-18-24-12	18mm	2440 x 1220mm	Black/Grey
SW-46-20-10-GY-G	46mm	2007 x 1007mm	Grey
SW-46-30-10-GY-G	46mm	3007 x 1007mm	Grey



Interlocking Solid Top Mesh Grating

Advanced Pultruded Structural Panels are fast becoming the cost effective solution for heavy-duty environments that require a solid finish.

A range of highly engineered Pultruded Panels are available to suit a variety of commercial, industrial, marine and rail applications and can be manufactured to suit BS 124 specifications (Class B125 and C250 vehicular ratings)

Why choose SafeSlab?

- Extra strong - suitable for vehicular access
- Can be used with a neoprene gasket to create a water-resistant covering
- Panels are designed to interlock providing an almost seamless finish.
- Gritted anti-slip finish
- Solid top and bottom - one side with the anti-slip finish

PRODUCT CODE	THICKNESS	DIMENSIONS	COLOUR
PST-50-36-50-GY-G	50mm	3660 x 475mm	Grey - Top Grit
PST-50-36-45-GY-G	50mm	3660 x 475mm	Grey - Bottom Grit



Mesh Grating Fixing

We only use 316/A4 quality stainless steel nuts, bolts, clips, clamps and washers. They are guaranteed for 10 years and can be replaced if they start to show signs of corrosion.

PRODUCT CODE	PANEL TYPE	THICKNESS	MESH BAR CENTRES
<div>M-CLIPS<ul style="list-style-type: none">Grade 316/A4 • Designed to secure open mesh grating to GRP Profile</div>			
FX-MC-SM-25-A4-SF	Standard Mesh	25mm	38 x 38mm
FX-MC-SM-38-A4-SF	Standard Mesh	38mm	38 x 38mm
FX-MC-SM-50-A4-SF	Standard Mesh	50mm	50 x 50mm
FX-MC-MM-14-A4-SF	Mini Mesh	14-22mm	20 x 20mm
FX-MC-MM-38-A4-SF	Mini Mesh	30-38mm	20 x 20mm
<div>JOINING BARS<ul style="list-style-type: none">Grade 316/A4 • Join two panels edge to edge</div>			
FX-CB-SI-A4-SF	All Panels	Single	-
FX-CB-DB-A4-SF	All Panels	Double	-
<div>SQUARE CLIPS<ul style="list-style-type: none">Grade 316/A4 • Secure Standard Mesh Panels to solid surfaces</div>			
FX-LC-SM-25-A4-SF	Standard Mesh	25mm	38 x 38mm
FX-LC-SM-38-A4-SF	Standard Mesh	38mm	38 x 38mm
FX-LC-SM-50-A4-SF	Standard Mesh	50mm	50 x 50mm
<div>G-CLAMPS<ul style="list-style-type: none">Grade 316/A4 • Secure two mesh panels side-by-sideSupplied with hex bolt</div>			
FX-GC-SM-25-A4-SF	Standard Mesh	25mm	38 x 38mm
FX-GC-SM-38-A4-SF	Standard Mesh	38mm	38 x 38mm
FX-GC-SM-50-A4-SF	Standard Mesh	50mm	38 x 38mm
FX-GC-MM-22-A4-SF	Mini Mesh	22mm	20 x 20mm
FX-GC-MM-30-A4-SF	Mini Mesh	30mm	20 x 20mm
FX-GC-MM-38-A4-SF	Mini Mesh	38mm	20 x 20mm

<div>DOME WASHER<ul style="list-style-type: none">Grade 316/A4 • Use with boltsFor use with Solid Top Panels and Flat Plate</div>			
FX-DW-45-08-A4-SF	Standard/Mini/Solid	40mm	20/38mm
FX-DW-30-06-A4-SF	Mini Mesh/Solid	30mm	20/38mm
<div>J-CLAMPS<ul style="list-style-type: none">Grade 316/A4Clamp panels securely to profiles that can't be drilled</div>			
FX-JC-SM-38-A4-SF	Standard/Mini/Solid	22-38mm	20/38mm
FX-JC-SM-50-A4-SF	Standard/Solid	50mm	50 x 50mm



GRP Structural Profiles

Our GRP Profiles come in a variety of forms, including Angle, Tube, Box, C-Section, I-Beam and Channel sections. Their strength and mechanical properties match or exceed traditional steel equivalent.

All our Pultruded Profiles are manufactured from glass-reinforced polyester resin (fibreglass) and include a continuous strand mat and a polyester surface veil on the exterior. This combination provides exceptional corrosion resistance and weather resistance, which makes our profiles low-maintenance and incredibly durable. Our GRP profiles with a wall thickness of more than 5mm are high-performance (E23 grade), while those at 3-5mm are E17 grade.

Pultruded Profiles are supplied directly from stock in 6m lengths as standard. Profile can be cut to your required size for a small additional fee.

PRODUCT CODE	PROFILE TYPE	DIMENSIONS	COLOUR
PR-AN-50-40-06-GY-3M	Angle	50 x 40 x 6mm	Grey
PR-AN-50-50-06-GY	Angle	50 x 50 x 6mm	Grey
PR-AN-75-75-10-GY	Angle	75 x 75 x 10mm	Grey
PR-AN-100-100-08-GY	Angle	100 x 100 x 8mm	Grey
PR-BX-51-51-06-GY	Box	51 x 51 x 6mm	Grey
PR-BX-51-51-06-YE	Box	51 x 51 x 6mm	Yellow
PR-BX-76-76-06-GY	Box	76 x 76 x 6.35mm	Grey
PR-CH-100-40-05-GY	Channel	100 x 40 x 5mm	Grey
PR-CH-150-50-05-GY	Channel	150 x 50 x 6mm	Grey
PR-CH-200-60-09-GY	Channel	200 x 60 x 8mm	Grey
PR-IB-200-100-09-GY	I-Beam	200 x 100 x 9.5mm	Grey
PR-IB-200-200-10-GY	I-Beam	200 x 200 x 10mm	Grey



ANGLE



BOX



CHANNEL



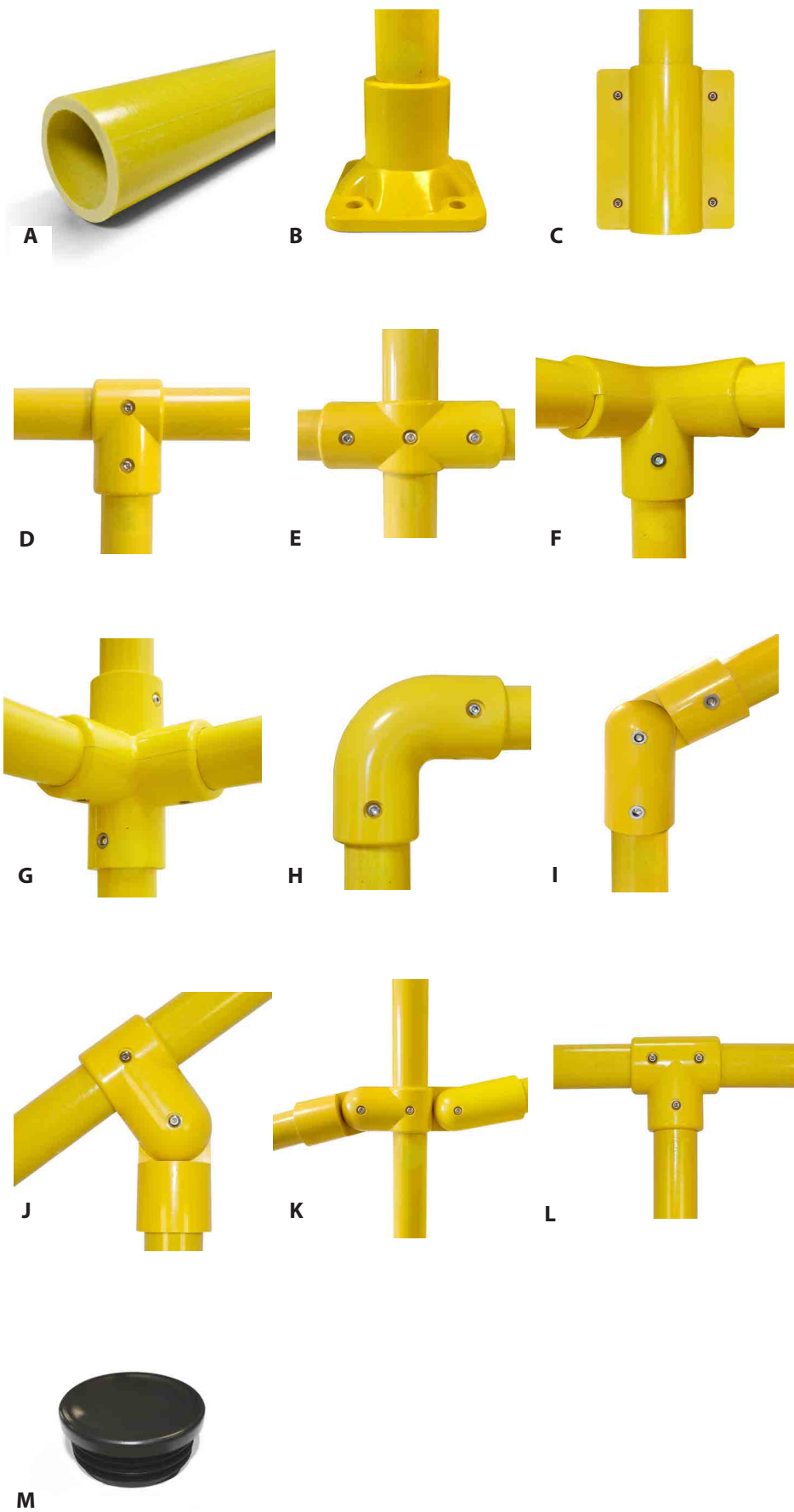
I-BEAM



I-BEAM



Key-Clamp Handrail



SafeClamp GRP Handrails are a modern composite alternative to conventional galvanised key-clamp style handrail systems, offering complete flexibility.

The SafeClamp GRP Handrailing System is based on a 50mm diameter pultruded tube - 5mm thick for real strength and toughness - and joined together by a range of specifically designed GRP moulded fittings to create the complete handrail system.

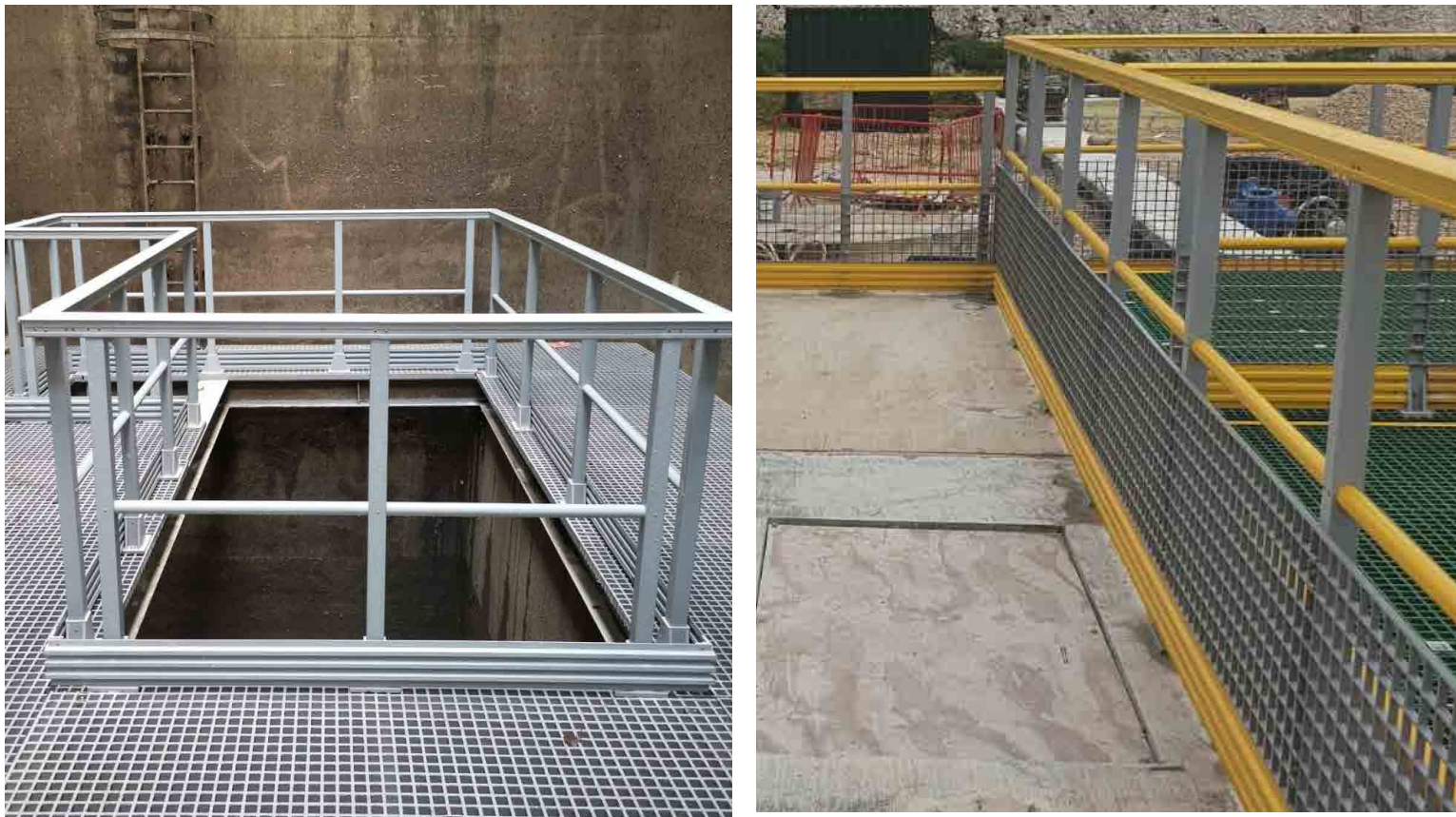
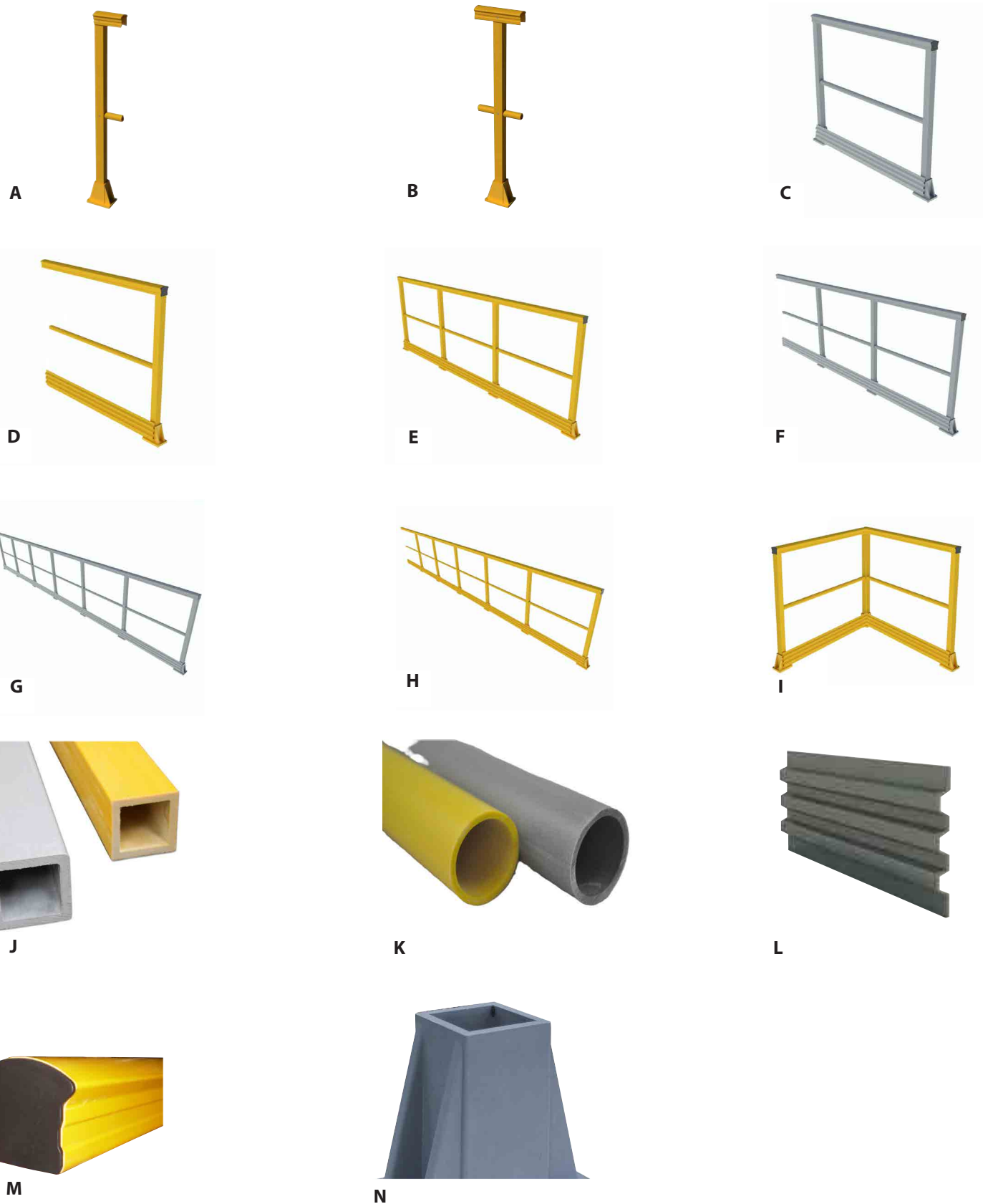
Why Choose SafeClamp GRP Handrails?

- Lightweight - easily transported to hard to access locations
- Tough and strong - well suited to the aggressive service conditions of commercial and industrial environments
- Flexible - excellent weatherability and resistance to most industrial chemicals, GRP Handrails are extremely low-maintenance
- Warning yellow - pigmented throughout, ensuring any surface scratches are less visible
- Warm to touch - the low thermal conductivity of GRP makes it ideal for use in public areas, especially ramps and other areas designed for disabled access



PROUCT CODE	COMPONENT		COLOUR
SC-RT-50-50-06-YE	A	6000mm Handrail Tude	Yellow
SC-PB-FT-YE	B	Base Foot	Yellow
SC-BK-SM-GY	C	Side Mount	Yellow
SC-CN-3W-90-YE	D	3-Way Connector	Yellow
SC-CN-4W-90-YE	E	4-Way Connector	Yellow
SC-CR-3W-90-YE	F	3-Way Corner Connector	Yellow
SC-CR-4W-90-YE	G	4-Way Corner Connector	Yellow
SC-EB-2W-90-YE	H	90 degrees Elbow Connector	Yellow
SC-UJ-2W-YE	I	Universal Connector	Yellow
SC-UJ-3W-YE	J	Universal 3-Way Connector	Yellow
SC-UJ-4W-YE	K	Universal 4-way Connector	Yellow
SC-LT-3W-90-YE	L	3-Way Long Connector	Yellow
SC-RT-EC-50-BK	M	Tube End Cap	Black

Modular Handrail



PRE-FABRICATED SECTIONS		LENGTH	COLOUR
A	Start Stop Post	-	Grey/Yellow
B	Intermediate Post	-	Grey/Yellow
C	Complete Section	1200mm	Grey/Yellow
D	Add-On F-Section	1200mm	Grey/Yellow
E	Complete Section	3000mm	Grey/Yellow
F	Add-On F-Section	3000mm	Grey/Yellow
G	Complete Section	6000mm	Grey/Yellow
H	Add-On Section	6000mm	Grey/Yellow
I	90 degrees Corner Section	1200mm	Grey/Yellow

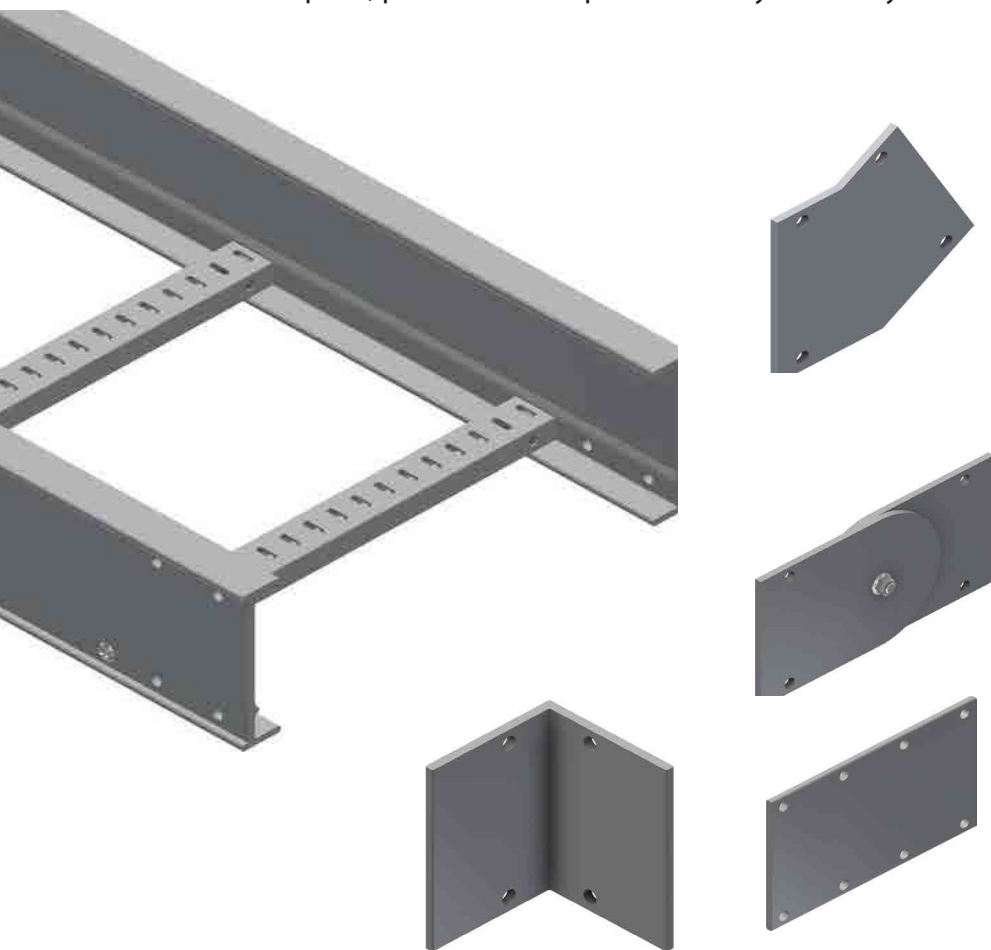
PRODUCT CODE	COMPONENTS		LENGTH	COLOUR
PR-BX-51-51-06-GY	J	50mm Stanchion Post Box Profile	6000mm	Grey
PR-BX-51-51-06-YE				Yellow
PR-RT-38-03-GY	K	38mm Mid Rail Tube Profile	6000mm	Grey
PR-RT-38-03-YE				Yellow
PR-KP-150-15-03-GY	L	150mm Kick Plate Profile	6000mm	Grey
PR-KP-150-15-03-YE	L	150mm Kick Plate Profile	6000mm	Yellow
PR-HR-TR-GY	M	Top Rail Profile	6000mm	Grey
PR-HR-TR-YE				Yellow
PB-FT-50-GY	N	Base Box Foot	-	Grey
PB-FT-50-YE			-	Yellow
FA-RVT-4.0-20-BL-A2		Blind Rivets	-	Silver

GRP Cable Ladder System

Our GRP Cable Management Systems are part of a large range which includes covers, corners and risers.

Create safe, secure, continuous trunking by joining sections together with our range of GRP Cable Ladder Splice Connectors

- Join lengths of Cable Ladder together without compromising the load capacity
- Pre-drilled for quick and easy installation
- Stocked in a range of angles to create smooth vertical or horizontal corners
- Sold in pairs, pre-drilled for quick and easy assembly



WIDTH	LENGTH	SWL (3m)	WEIGHT
150mm	3000mm	402 kg/m	14.6 kg
300mm	3000mm	402 kg/m	15.7 kg
450mm	3000mm	402 kg/m	16.6 kg
600mm	3000mm	402 kg/m	17.9 kg
750mm	3000mm	402 kg/m	18.7 kg
900mm	3000mm	402 kg/m	19.8 kg

Our heavy duty Safeline Cable Ladder System offers effective cable management.

For effective heavy duty cable management, our GRP Cable Ladders are 150mm deep and available in a range of sizes. For smaller projects see our Cable Tray System.

- Standard widths range from 150-900 mm
- Suitable for use with high voltage cable cleats and tubing clamps
- Flexible rung attachment allows additional rungs to be installed (ask for details)
- Ladder siderail has unique off centre side C-profile for increased load capacity
- No risk of liquid entrapment
- GRP will not rot or corrode and requires zero maintenance
- Rung widths and rung spacing can be customized to project requirements on application
- Pre-drilled, full height splice connectors can handle the same loadings as the ladder system itself
- Roll edges for easy handling, reduced cable snagging and aids stability to reduce rung movement

For more information please get in touch.

GRP Cable Tray System

Keep cables tidy on site ensuring easy access and maintenance in the future.

Our SafeLine Cable Tray system keeps cables and wiring tidy and safe from accidental damage indoors and out. Create continuous weather- and rodent-proof trunking on walls, floors, roof-tops or ceilings.

Our corrosion resistant GRP Cable Trays are lighter than metal equivalents while maintaining strength and maximising loading capability. They are also low-maintenance and easier to install.

- Perforated tray design prevents water or chemicals from pooling inside the tray, reducing the risk of damage to the cables
- Lower weight and rounded edges makes tray easier to handle and reduces accidents on site
- Unique I-beam profile design increases load capacity and reduces deflection
- Made from non-conductive pultruded Glass Reinforced Plastic.
- Pre-drilled, full height splice connectors can handle the same loadings as the tray system itself
- Wide range of tray widths available – for a larger capacity system please see our GRP Cable Ladders
- Supplied in 3000mm lengths



WIDTH	LENGTH	SWL (3m)	WEIGHT
50mm	3000mm	59 kg/m	3.9 kg
100mm	3000mm	59 kg/m	5.3 kg
150mm	3000mm	59 kg/m	6.1 kg
200mm	3000mm	59 kg/m	7.0 kg
300mm	3000mm	59 kg/m	9.2 kg
400mm	3000mm	59 kg/m	13.6 kg
600ml	3000mm	59 kg/m	19.2 kg

GRP Security/Debris Screen

Screen Guard

Protect tracks and walkways from litter and leaves gathering to create a potential fire hazard. Smooth finish makes it ideal for use in fencing as it won't snag on pedestrian clothing.

Machine Guarding is made from smooth GRP. The mesh hole size is 50.8mm x 50.8mm and is specifically manufactured to provide the ideal safety barrier that is non-conductive, corrosion-resistant and low-maintenance. This product is durable, strong and made from premium grade materials.



SafeScreen Applications

- Handrail infill panels
- Debris screens
- Machine guard
- Trough covers

PRODUCT CODE	THICKNESS	DIMENSIONS	COLOUR
SG-12-36-12-GY	12mm	3660 x 1220mm	Grey
SG-12-36-12-YE			Yellow

GRP Anti-Slip Flooring

Anti-Slip Flate Plate

QuartzGrip Anti-Slip GRP Flooring Sheets are a great solution to safeguarding employee and public safety by reducing slips, trips and falls in hazardous environments in constant use.

Benefits of Anti-Slip Flooring Sheets

Designed specifically to create grip underfoot, this effective gritted surface performs well in wet, icy or greasy conditions, transforming walkways and maintaining a steady grip.

The surface meets BS 7976-2 for slip-resistance. Flooring sheets are a great option if you have worn or uneven flooring where slips are more likely to occur.

PRODUCT CODE	DIMENSIONS	COLOUR
FP-04-20-10-BE-G	2000 x 1000mm	Beige
FP-04-20-10-BK-G		Black
FP-04-20-10-GY-G		Grey
FP-04-20-10-YE-G		Yellow
FP-04-24-12-BE-G	2440 x 1220mm	Beige
FP-04-24-12-BK-G		Black
FP-04-24-12-GY-G		Grey
FP-04-24-12-YE-G		Yellow
FP-04-30-12-BK-G	3000 x 1220mm	Black
FP-04-30-12-YE		Yellow

Tactile Flooring Tiles

Tactile flooring is designed to warn visually impaired pedestrians when approaching a change in floor level or hazardous areas such as railway platforms, pedestrian crossings and stairs.

Types of Tactile Flooring

- **In-line Blister Tactiles** provide warnings in the absence of a curb less than 25mm high. The surface is an essential safety feature as its terrain differentiates where a footway ends and where the carriageway begins. The tiles also allow wheelchair users to cross roads with ease.
- **Off-Set Blister Tactiles** have flat-topped domes set in even rows, for use on platform edges, parallel to the direction of travel to the train. The surface can be any colour (apart from red) to provide a contrast to assist partially sighted people.
- **Corduroy Tactiles** warn of the approach of specific hazards including steps, level crossings, or the approach of streetlight rapid transit (LRT) platforms.



PRODUCT CODE	DIMENSIONS	PATTERN
TO-04-04-04-BE-G	400 x 400mm	Off-Set Blister
TI-04-04-04-BE-G	400 x 400mm	In-Line Blister
TC-04-04-04-BE-G	400 x 400mm	Corduroy

GRP Anti-Slip Stair Tread Covers

QuartzGrip GRP Stair Tread Covers are designed to cover the entire stair tread and provide a firmer grip underfoot, complying with Equalities Act Guidelines. Our Anti-Slip Stair Treads work well in wet, icy or oily conditions and can transform tired looking staircases whilst minimising the risk of slips, trips and falls.



QuartzGrip is manufactured from premium grade slip-resistant fibreglass to maximise quality, durability and lifespan, and can be cut to any size.

PRODUCT CODE	DIMENSIONS	COLOUR
Made to order	1000 x 345mm	Black & White/Black & Yellow/Beige/Grey/Yellow
	1216 x 345mm	Black & White/Black & Yellow/Beige/Grey/Yellow
TC-04-30-03	3000 x 345mm	Black & White/Black & Yellow/Beige/Grey/Yellow
TC-04-36-03	3660 x 345mm	Black & White/Black & Yellow/Beige/Grey/Yellow



QuartzGrip GRP Anti-Slip Stair Nosing is the ideal product if you are looking for an affordable solution to minimise the risk of slips, trips and falls.

All our Anti-Slip Stair Nosings are manufactured from premium fibreglass to ensure durability and quality, with a textured finish to provide greater resistance underfoot in poor weather conditions.

Why QuartzGrip GRP Anti-Slip Stair Nosing?

Vital GRP’s QuartzGrip GRP Anti-Slip Stair Nosing is a brilliant solution for safeguarding industrial, commercial and public spaces.

- Easy to fit
- Cost-effective
- Durable, with a long lifespan
- Equalities Act compliant
- Maintenance-free
- Anti-slip in oily or wet conditions

Our QuartzGrip GRP Anti-Slip Stair Nosing is manufactured from premium grade, slip-resistant fibreglass to maximise quality, durability and lifespan, plus it can easily be cut to any size and pre-drilled for faster installation. Not only does stair nosing add an extra anti-slip surface, but it also highlights the attention to the edge of a stair, which can often be missed in low lighting, particularly outdoors or in a poorly lit stairwell.

Easy to Install

Our QuartzGrip GRP Anti-Slip Stair Nosing is easy to install. Simply glue and screw your stair nosing to timber, concrete, chequer plate steps or stairs.

GRP Anti-Slip Stair Nosing



STANDARD GRIT FINISH

PRODUCT CODE	DIMENSIONS	COLOUR
Made to Order	600 x 55 x 55mm	Black/White/Yellow
	1000 x 55 x 55mm	Black/White/Yellow
	1200 x 55 x 55mm	Black/White/Yellow
	600 x 70 x 55mm	Beige/Black/Grey/White/Yellow
	1000 x 70 x 55mm	Beige/Black/Grey/White/Yellow
	1200 x 70 x 55mm	Beige/Black/Grey/White/Yellow
SN-04-30-05-BK	3000 x 55 x 55mm	Black
SN-04-30-05-WH		White
SN-04-30-05-YE		Yellow
SN-04-30-07-BE	3000 x 70 x 55mm	Beige
SN-04-30-07-BK		Black
SN-04-30-07-GY		Grey
SN-04-30-07-WH		White
SN-04-30-07-YE		Yellow
SN-04-36-55-WH	3600 x 55 x 55mm	White
SN-04-36-55-YE-G		Yellow
SN-04-36-07-BE	3600 x 70 x 55mm	Beige
SN-04-36-07-BK		Black
SN-04-36-70-GY		Grey
SN-04-36-07-WH		White
SN-04-36-07-YE		Yellow

Technical Specification and Datasheets

All our mesh is independently tested to British standard in a UK facility. With a full suite of state-of-the-art analytical capabilities, from chemical and physical to high temperature and surface analysis, they have been able to provide us with all the information you need to be confident our products meet your specifications.

GRP Mesh Mechanical Data

- Elastic Modulus 27 GPa
- Flexural Strength 2.8 GPa
- Tensile Strength 650 MPa
- Compressive Strength 90 MPa
- Dielectric Strength 18 KW/mm
- Specific Gravity 1.5 ÷ 1.7
- Thermal Expansion Factor 13 x 10-6 mm/mm °C
- Water Absorption 0.1% + 0.3% x 24 hours (ISO R62)
- Operating Temperature -100°C to +180°C

Manufacturing Tolerances

- Standard Panel Size = +2mm, -0mm
- Cut Panel Size = ±3mm
- Thickness = ±1mm
- Mesh Pattern = ±0.5mm

Standard Mesh LOAD & DEFLECTION Data

Unsupported Span (unfixed) over 1000mm width (kg)									
Thick-ness	Weight kg/m²	Span	300	500	600	750	1000	1200	1500
25mm	12	Point Load	2390	855	590	375	205	135	80
		UDL	3830	1375	950	605	335	225	135
30mm	14.2	Point Load	3795	1360	940	595	330	220	135
		UDL	6075	2180	1510	960	535	365	225
38mm	19	Point Load	8220	2950	2045	1300	725	495	305
		UDL	13155	4730	3280	2090	1165	800	500
50mm	21.7	Point Load	16445	5910	4100	2615	1460	1005	630
		UDL	26315	9465	6565	4195	2350	1620	1025

Standard Mesh PHYSICAL Data

Grat-ing Depth (mm)	Grat-ing Pitch (mm)	Bar Thick-ness		Per 300mm of Width				No. of bars per 300mm	% Glass Content	Weight (kg/m²)	% Open Area
		Top	Bot-tom	cm²	cm³	cm⁴	El kg/m²				
25	38	6.5	5.5	11.5	4.91	6.24	119	8	32	12	69
30	38	6.5	5.5	13.3	6.6	9.9		8	32	14.2	69
38	38	6.5	5.5	17.6	10.64	21.38	275	8	32	18.2	69
50	50.8	7.9	6.4	20.1	16.8	42.8		6	32	21.7	71

Mini Mesh LOAD & DEFLECTION Data

Unsupported Span (unfixed) over 1000mm width (kg)									
Thick-ness	Weight kg/m²	Span	300	500	600	750	1000	1200	1500
14mm	10	Point Load	650	230	155	95	50	30	10
		UDL	1025	365	250	155	80	50	25
22mm	16	Point Load	2885	1030	715	450	245	165	95
		UDL	5945	2135	1480	960	520	355	215
30mm	18.8	Point Load	6710	2410	1670	1060	585	400	245
		UDL	10740	3860	2675	1705	950	650	405
38mm	23.1	Point Load	11825	4245	2945	1875	1045	715	445
		UDL	18920	6805	4720	3010	1685	1160	725

Mini Mesh PHYSICAL Data

Grating Depth (mm)	Grating Pitch (mm)	Bar Thickness		Per 300mm of Width				No. of bars per 300mm	% Glass Content	Weight (kg/m²)	% Open Area
		Top	Bottom	cm²	cm³	cm⁴	El kg/m²				
14	20	7	5					15	32.3		42
22	20	7	5	14.8	4.2	5.5	78.1	15	32.3	16	42
38	20	7	5	21.2	14.7	30.8	448	15	32.3	25.5	42

Solid Top LOAD & DEFLECTION Data

Unsupported Span (unfixed) over 1000mm width (kg)									
Thick-ness	Weight kg/m²	Span	300	500	600	750	1000	1200	1500
29mm	18	Point Load	8425	3025	2095	1335	740	505	315
		UDL	13485	4850	3360	2145	1195	825	515
42mm	24	Point Load	22975	8260	5730	3660	2045	1410	890
		UDL	36765	13225	9180	5865	3590	2275	1440
54mm	28	Point Load	33745	12140	8420	5380	3015	2080	1315
		UDL	53995	19430	13485	→	4835	3345	2125

Solid Top PHYSICAL Data

Grat-ing Depth (mm)	Grat-ing Pitch (mm)	Bar Thick-ness		Per 300mm of Width				No. of bars per 300mm	% Glass Content	Weight (kg/m²)	% Open Area
		Top	Bot-tom	cm²	cm³	cm⁴	El kg/m²				
29	38.1	6.5	5	23.7	15.1	22	615	8	32	18.5	0
42	38.1	6.64	5.02	29.8	28.5	60	1857	8	32	25.3	0
54	50.8	7.9	6.4	20.1	16.8	42.8		6	32	34	0

COSHH Safety

Material Identification & Use

- Chemical name - Floor Grating, Flat Plate and Construction Profile made of Fibreglass Reinforced Polyester
- Common name - Glass Reinforced Plastic Grates. (Fibreglass Grating)
- Appearance - Solid, flat panels with grid pattern. Green, grey and yellow are standard colours. Sharp edges or grit applied to top surface. Nil odours. Not soluble in water. Specific Gravity 1.6
- Use - Floor, wall

Constituent Parts

- Silicon Carbide Grit (Silica 1%)
- Fibrous Glass, Polyester Resin
- Catalyst (Peroxyester)
- Styrene
- Aluminium Oxide
- Pigments

Ingredients are chemically cured and bonded together.

Hazard Identification

- Acute effect - None by contact. Dust produced by cutting or grinding can penetrate the pores of the skin causing itching (Irritant). Avoid breathing dust (hazardous)
- Routes of entry - Skin contact or inhalation of dust when cutting
- Medical note - People who have a condition that could be aggravated by dust should avoid cutting or grinding

- First Aid Procedures - Skin - Remove person from dust area and shower with soap and water until itching stops. Seek medical advice
- First Aid Procedures – Eyes - Flush at once with a sterile eye wash solution for 15 minutes

Fire Fighting Measures

- Product will burn. Avoid direct fire source
- Flash point: none
- Flammability limits: none
- Extinguishing media: water, foam, A, B or C fire extinguishers
- Heavy, black smoke, carbon particles. Use air respirator

Waste Disposal

- Handling - Abide by local laws and procedures. Product is not considered a hazardous waste

Personal Protection

- Use LEV systems or vacuum extraction with 'M' class filtration
- Use a face mask with FFP3 filter
- Eye protection to EN166–grade B standard
- Wear gloves for manual handling operations
- Wear overalls and cover exposed body parts
- Health Surveillance - It is recommended that Level 1 Health Surveillance is conducted/ completed annually

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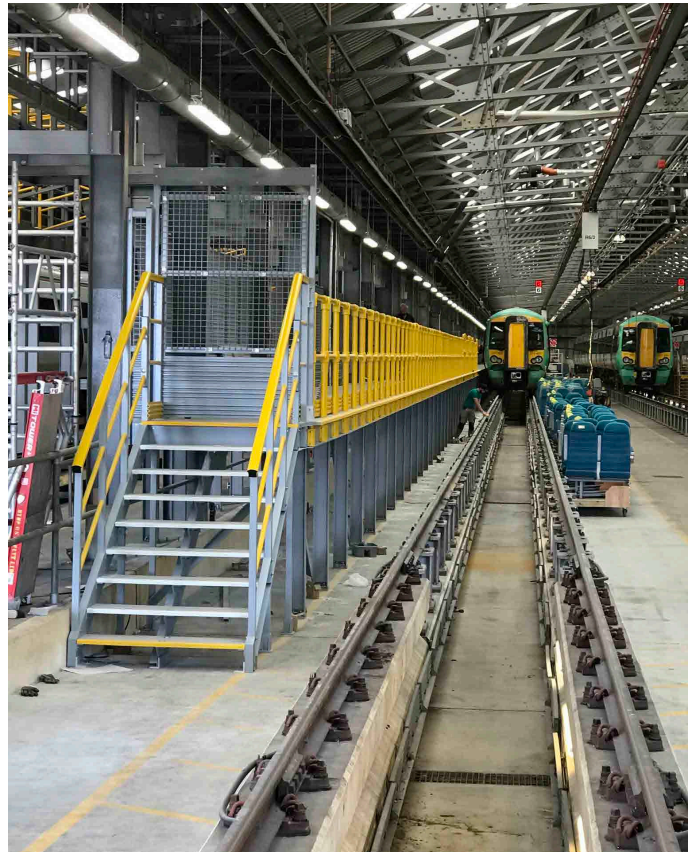
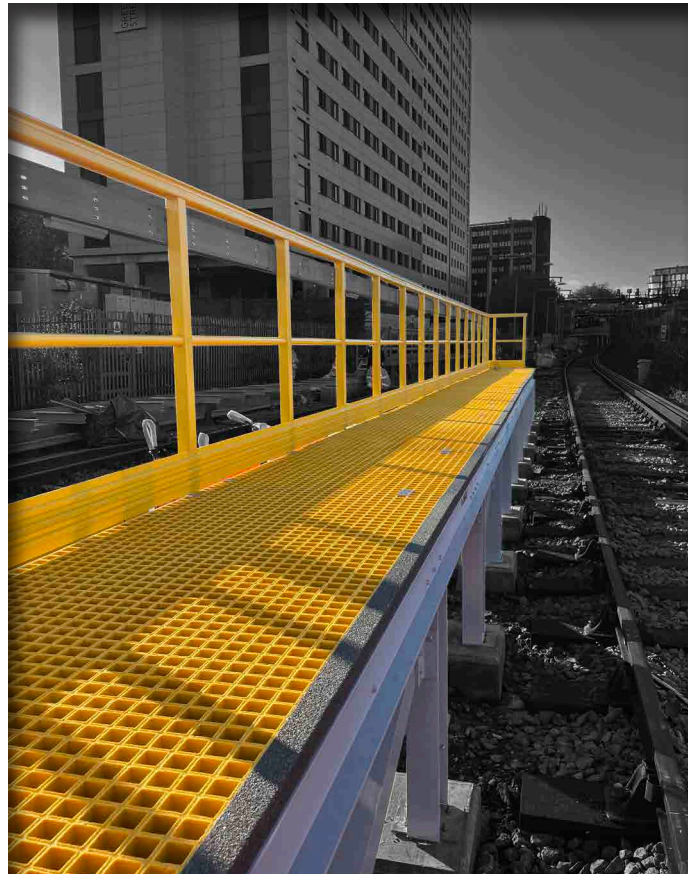
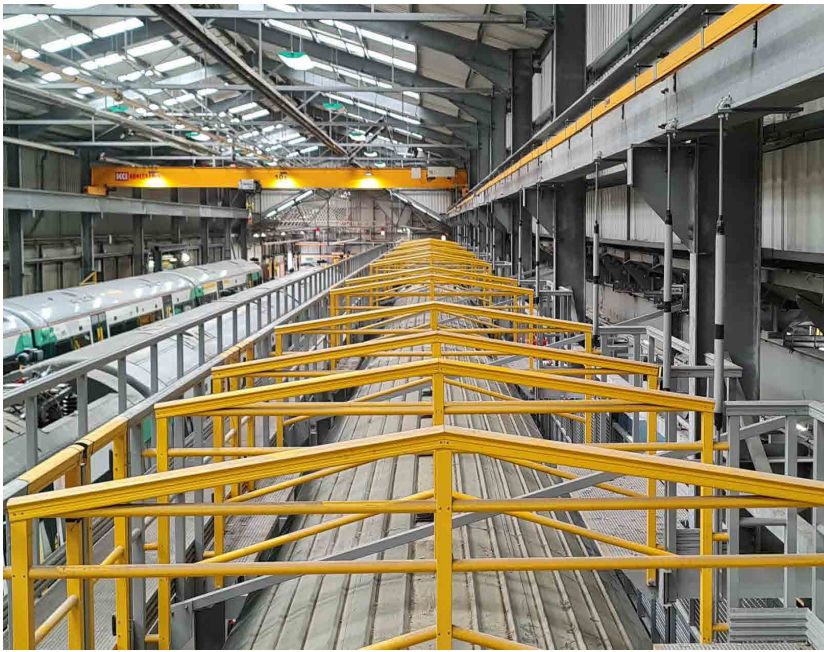
Accreditations



Vital GRP training courses

GRP has a set of unique properties that make it very different to working with steel or timber. With that in mind, all our fabricators and installers receive comprehensive training to ensure they know how to get the best results. Our CPD and NVQ training courses are fully accredited and we are happy to share our knowledge to enable you to develop your own teams.

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