

# Railway Systems

## Composites Product Range





# A comprehensive range of rapid fit, durable solutions for improvement and refurbishment across the railway infrastructure.

Meeting the varied demands placed from many parts of the railway infrastructure is a significant sector of our business. Products and materials need to be carefully designed and selected to offer safety, durability, long life and be cost efficient.

Factors influencing the procurement process will likely include:

- Safety critical applications
- Special wear and loading characteristics
- Resistance to extreme climatic conditions
- Maintenance requirements

## Composites

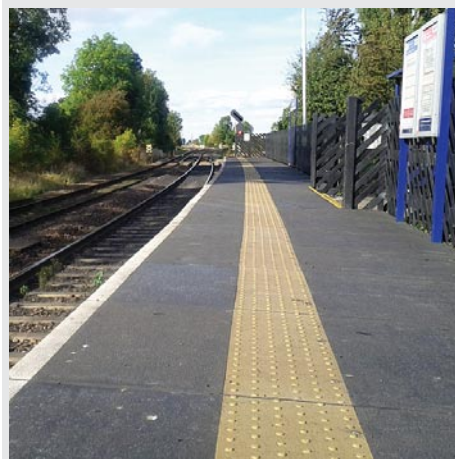
Composite materials are now a common choice to meet or exceed these criteria and by virtue of their physical and mechanical properties, represent an excellent investment with low lifecycle costs and long term value.

Working closely with designers, engineers and contractors alike, Evergrip offer a wide variety of high quality GRP solutions to fit these requirements. Our products are designed and installed to comply with all relevant BS & EN codes including BS 4592.

- Platform decking, repair products and substructures
- Stair treads
- Hand rail systems
- Surface mounted tactile paving
- Anti-slip walkway surfaces
- Facilities/inspection/maintenance access platforms
- Platform access ramps
- Staircases & gates
- Catchpit covers
- Ballast panels / boards
- Infill panels
- Trench/trough covers

To discuss your specific requirements with a member of our experienced team please call:

**01757 212 744**



### EverDeck Panels

In 2003, Evergrip succeeded in fulfilling a design requirement for a new type of railway platform decking system made entirely from composite materials.

With Network Rail investing in infrastructure improvements for the long term future, the resultant GRP system has benefits which show clear advantages over alternative proposals (steel, concrete & timber).



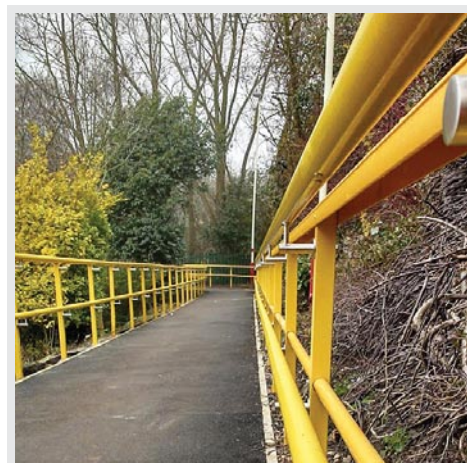
### Overlay Panels

Panels are impact and weather resistant making them suitable for both covered and external applications. Panels will not rust or rot, nor will they ever need painting as the colour is throughout the product and they are easy to clean.



### Access Platforms & Ramps

Safe access by staff to rolling stock for maintenance can present practical difficulties where no existing platform surface is present; as can access of passengers to platforms where no provision for wheelchair users has been made in the past, or where existing steps are steep and hazardous.



### Handrail Systems

Composite handrail systems are offered in both round tube and square section GRP with a complete range of fittings. All systems are designed to relevant standards.

To view our entire range of specialist composite products for the railway industry please visit:





### Trestle System

Full or partial height fibreglass trestle systems manufactured from high grade pultruded GRP composite sections. Offering an extremely rapid fit, maintenance free solution for platform extension, refurbishment and height adjustment.



### Platform Repair Board

For instant patch repairs to damaged platforms, GRP repair boards are made from an extremely tough 6mm thick board in black complete with a high quality Anti-Slip finish. Integral chamfered & hazard yellow coloured highlighted edges minimise any trip hazard on the repaired surface.



### Overline Pedestrian Bridges and Walkways

Designed as full load bearing, direct replacements, GRP steps & walkway products offer a complete solution to regulatory conformance in the refurbishment of overline bridges.



### Gated Access Steps

Safe and secure access for railway staff to non-ramped platform ends or any raised operating facility may be achieved using gated access steps made from composite materials.



### Through Colour Nosing Tread Cover

To satisfy a requirement for high levels of pedestrian traffic, the Through Colour Nosing version of the GRP stair tread cover offers an extremely durable, Anti-Slip coating for all weather conditions with enhanced performance and longevity.



### Ballast Panels / Boards

Designed as an alternative to existing steel, concrete and wooden side boards, the GRP Ballast Panel / Board brings great benefits and efficiencies to the process of installation combined with a low life-cycle cost.



## RECENT CASE STUDY

**Project title:** Crowle Station

**Client name:** Network Rail

**Main contractor:** CMP

**Product(s) used:** GRP Overlay Rail Platform Panels

### Summary of project/contract:

- Replacement of an end of life wooden deck board platform that had been patch repaired using Evergrip Platform repair boards.
- The new GRP rail platform overlay system incorporates an inset offset tactile strip and separate coloured nosing.
- Custom made to size.

### Duration of works:

One week fit on night shifts.



Before



After



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