

Pipex px[®] BRIDGE PRODUCTS

Pipex px[®] Bridge Parapets



(Pipex px[®] FRP Parapet Fencing installed on Carlisle bridge)

Project Carlisle Bridge Refurbishment

Location River Lune, Lancaster, UK

Contractor Story Contracting

Client Network Rail

Date of Completion May 2015

Market Sector Transport & Civil Construction

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V1. Hannah Wright

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The above (apart from Structural Composite Solutions Ltd) are registered in England, at the same registered office:- Pipex House, Devon Enterprise Facility, 1 Belliver Way, Roborough, Plymouth, Devon, PL6 7BP.
Structural Composite Solutions Ltd registered office is:- 1 Ashley Drive, Bishwelly, Glasgow, G71 8BS.

Scope of Work

Pipex px® supplied and fabricated 563M of Fibre Reinforced Polymer (FRP) parapet fencing & handrails as part of the refurbishment of Carlisle bridge, Lancaster, UK.

The original steel fencing & handrails needed replacing as it had corroded beyond repair. The client specified an FRP replacement as it is highly corrosion resistant, lightweight and maintenance free.

The fencing is 1.1M & 1.8M high and runs along the length of the bridge, providing protection from the railway tracks. The same material was also used on both pedestrian stairwells.

Pipex px® FRP fencing is designed to meet class 2C of BS EN 7818. The handrails alongside the walkway have been designed for class 3C of this specification.

Additional Information

The Carlisle bridge is positioned over the River Lune, forming part of the West Coast Main Line between London and Glasgow. The Railway was designed by notable English Civil Engineer Joseph Locke in the 19th Century.

Unique Selling Point Points

- Offsite built
- Highly corrosion resistant
- Fast track installation
- Maintenance free
- Lightweight and durable
- Non conductive and fire retardant
- Design life expectancy of 60+ years dependant on application

Pipex px® Future Thinking

Pipex px® are wholly and demonstrably committed in our business operations to the protection of the natural and built environment locally, nationally and globally. Pipex px® provide a range of high quality and environmentally safe construction products and services.





(The original steel fencing had corroded beyond repair)



(Pipex px[®] FRP Parapet Fencing installed)



(The highly corroded stairwell before refurbishment)



(Pipex px[®] FRP handrails installed)