

Ridgidrain provides the solution for new commuter rail link

Polypipe's Ridgidrain surface water drainage system was installed on a commuter rail link connecting Stirling and Alloa in Central Scotland to Fife in Eastern Scotland.



900mm
Ridgistorm-XL
half perforated
pipe



The line, which had been closed for more than 30 years, and a new station and train line were constructed to provide better access for commuters as well as to supply coal to a power station. 150mm, 500mm half-perforated Ridgidrain pipe and 900mm Ridgistorm-XL half perforated pipe were installed and utilised for drainage on either side of the railway track. The pipes run into a series of catchpits, positioned at intervals along the track, in various depths and outlet designs, which will stop the overflow of rainwater. The catchpits were manufactured at Polypipe's 33,000 square meter in house fabrications facility and delivered ready to install - saving the contractor valuable time on site.

Ridgidrain is the market leading structured wall surface water drainage product and is the complete technical and commercial answer to all non pressure, surface and sub-surface water drainage applications. The Ridgidrain range is often preferred to clay and concrete alternatives as they can typically be up to 94% lighter than a pipe of equivalent size.

Warren Hawkins of Edmund Nuttall was very pleased with the performance of Polypipe's products. "We worked closely with Polypipe to enable them to meet our requirements on this project. Both their Ridgidrain and Ridgistorm-XL pipe and catchpits have been successfully utilised for a number of railway drainage applications in the past, so we were confident that these products would deliver the specified performance requirements."

"When working on a railway line it is essential to install a product that withstands some ground movement and differential settlement, which was a significant factor in us installing the Ridgidrain drainage system."

Warren Hawkins,
Edmund Nuttall

CASE STUDY

Project

Drainage solution for new commuter rail link, covering Central to Eastern Scotland

Client

Scottish Rail Link

Application

Surface Water Drainage

Products

Ridgistorm-XL
Ridgidrain
Catchpits