



Waverley Railway Station

United Kingdom



Project

Edinburgh Waverley railway station is the main station in the Scottish capital. Covering an area of more than 101,000 m² (25 acres) in the centre of the city, it is the second-largest main line railway station in the United Kingdom in terms of area, and is both a terminal station and a through station, in contrast to most of the major London stations.

It is one of 19 stations managed by Network Rail and is the northern limit of the East Coast Main Line, although through-services operate to Glasgow, Dundee, Aberdeen, Perth and Inverness. Waverley is the second busiest railway station in Scotland after Glasgow Central and the 20th busiest in the United Kingdom.

The major challenge was to prepare and repaint all the iron work without inconveniencing passengers and disrupting the day to day running of this very busy railway station. Not all areas could be abrasive blast-cleaned so the contractor, Xervon Palmers, required a protective system that was suitable for blast-cleaned and mechanically prepared iron work. Also, it wasn't possible to spray apply the paint to all areas so a system that could be applied by brush and spray was required.

Substrate: Cast and wrought iron with some new steel sections.

Requirements: To provide anti-corrosion protection for a minimum period of 25 years.

Specifications: Principally Network Rail Protective System M24/049. Calton Road Footbridge was repainted with Network Rail Protective System M34. All new steelwork was coated with Network Rail Protective System N13/008.

Area coated: Approx 50,000 m².

Client: Network Rail.

Main contractor: Xervon Palmers.

System

Most of the existing steelwork was repainted with Network Rail Protective System M24/049, which comprised of Macropoxy™ C402V2 (aluminium), stripe coat of Macropoxy™ C402V2, Macropoxy™ C402V2 (off white), Acrolon™ C137V2 (various colours).

One of the footbridges (Calton Road) was coated using Network Rail Protective System M34/002, which comprised of Macropoxy™ M922M, stripe coat of Macropoxy™ M922M, Acrolon™ C137V2.

New or replacement steel was coated with Network Rail Protective System N13/008, which comprised of Macropoxy™ L674, stripe coat of Macropoxy™ C402V2, Macropoxy™ C402V2, Acrolon™ C137V2. Most of the steelwork was blast-cleaned to Sa2½ surface standard. Some areas were mechanically prepared to St3 surface standard.



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