



PREPARING AND COATING IRON AND STEEL WORK WITH MINIMAL DISRUPTION

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.

CLIENT:
Network Rail

MAIN CONTRACTOR:
Xervon Palmers

FROM SPEC TO PROTECT
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WAVERLEY RAILWAY STATION, EDINBURGH



SOLUTION

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.

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.

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.

FEATURED PRODUCTS

M24/049:

- Macropoxy C402V2
- Acrolon C137V2

M34/002:

- Macropoxy M922M
- Acrolon C137V2

N13/008:

- Macropoxy L674
- Macropoxy C402V2
- Acrolon C137V2

THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams Protective & Marine delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe. Our broad portfolio of high-performance coatings and systems that excel at combating corrosion helps customers achieve smarter, time-tested asset protection. We serve a wide array of markets across our rapidly growing international distribution footprint, including oil and gas, water and wastewater, bridge and highway, steel fabrication, flooring, food and beverage, rail and power, marine and passive fire protection.

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