



# PROTECTING AN OLYMPIC LEGACY ON THE WORLDS LONGEST CANTILEVER ROOF

The striking cantilevered roof of the London Stadium measures 84 metres at its deepest point, is twice its original size, and is the longest of its type in the world.

Formerly and known as the Olympic Stadium, work started on the site when the 2012 Olympics came to a close. The roof covers every seat at the 60,000 capacity venue. It was completed in 2015 in time to host five matches of the Rugby World Cup. The stadium became the long term home of West Ham United in 2016 and will also hosts British Athletics.

**SHERWIN-WILLIAMS SUPPLIED 40,000 LITRES OF MACROPOXY™ C400V3 MULTI-FUNCTIONAL EPOXY ZINC PHOSPHATE COATING AND 12,000 LITRES OF ACROLON™ C237 SHEEN FINISH, THESE COATINGS WERE USED DUE TO THEIR SOLID TRACK RECORD.**

**CLIENT:**  
William Hares Ltd

**MAIN CONTRACTOR:**  
Balfour Beatty

**FROM SPEC TO PROTECT**  
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**SHERWIN  
WILLIAMS®**

# LONDON STADIUM ROOF, LONDON



## SOLUTION

As a major project with tight timescales, the chosen coatings have proven protection qualities for this purpose. During the first four months of the reconfiguration work, the main contractor Balfour Beatty dismantled and removed the existing roof and floodlight towers.

An extensive cable net system now supports the new roof, which was built on the floor of the stadium before being lifted into position. A number of 600-tonne cranes operating within the stadium confines were used to lift the supporting roof steelwork into place. The track on which Usain Bolt and Sir Mo Farah won their medals at the 2012 Olympics was covered in order to avoid damage from the cranes.

Now complete, the roof allows all-weather protection for sports spectators and improved acoustics for concerts. A combination of solid and transparent roof coverings will allow natural light to shine through.

The London Stadium within the Queen Elizabeth Olympic Park has become another iconic structure to bolster Sherwin-Williams Protective & Marine Coatings track record for coatings used in prestigious sporting venues and stadia.

## 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.

## SUBSTRATE

Steel.

## REQUIREMENTS

To provide anti-corrosion protection for a minimum period of 20 years.

## SPECIFICATIONS

Blast cleaned to Sa2½ (ISO 8501-1:2007)

- Macropoxy™ C400V3 @ 200 um DFT
- Acrolon™ C237 @ 50 um DFT.

## AREA COATED

Approx 52,000 m<sup>2</sup>.

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