



FIRE PROTECTION COATINGS PROTECT LIVES AND PROPERTY AT ICONIC STADIUM

Tottenham Hotspur Stadium serves as the home for Tottenham Hotspur Football Club in north London, replacing the club's previous stadium, White Hart Lane. It has a capacity of 62,062, making it one of the largest stadiums in the Premier League and the largest club stadium in London and cost a total of £1bn to build.

It was opened on April 3rd 2019 and is designed to be a multi-purpose stadium and features the world's first dividing, retractable football pitch, which reveals a synthetic turf pitch underneath for concerts and other events.

PRIORITIES FOR THE CLUB WERE TO PROTECT THE STEEL STRUCTURE IN THE EVENT OF A FIRE WITH SUCH LARGE NUMBERS OF PEOPLE MOVING ABOUT AT SUCH AN ICONIC VENUE.

There were also different requirements for the surface below the second synthetic pitch and for terrace steelwork.

OWNER:
Tottenham Hotspur FC

CONTRACTOR:
Severfield

FROM SPEC TO PROTECT
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WILLIAMS®**

TOTTENHAM HOTSPUR STADIUM



SOLUTION

Sherwin-Williams experts selected FIRETEX C69 Epoxy blast primer to protect the steel structure, followed by FIRETEX FX2003 solvent-based intumescent coating with a top coat of Acrolon C237 acrylic urethane sheen finish.

The Sherwin-Williams Macropoxy C123 coating was used for the surface below the second synthetic pitch, achieving low curing down to 5°C. The coating is easy to apply by airless spray; compatible with a wide range of Macropoxy, zinc clad epoxy primers and build coats; and compliant with Volatile Organic Compound (VOC) standards. Steel fabricator for the project was Severfield.

Macropoxy 400 epoxy zinc phosphate coating was selected and applied after blast cleaning of the terrace steelwork, a system suitable for the protection of steelwork in a range of exposure environments from C1 to C5 as defined in ISO12944, including buildings, car parks, petrochemical plants, breweries and power stations.

OUTCOME

Mark Lockhart, Sherwin-Williams UK Sales Manager, said: "This project demanded the highest specification standards for stadia using only the best products.

"We're proud to have been involved to ensure only the highest levels of fire protection measures are in place where the lives of people and the safety of property are at stake".

FEATURED PRODUCTS

- Acrolon C237
- FIRETEX C69
- FIRETEX FX2003
- Macropoxy 400
- Macropoxy C123

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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