



HIGH PERFORMANCE FIRETEX SYSTEM PROTECTS INNOVATIVE NEW OFFICE DEVELOPMENT

The Brunel Building in Paddington, London, is an imaginative structure providing a large open space work area, and takes its name from the famous civil engineer, Isambard Kingdom Brunel, in recognition of pioneering work in structural (and cast) steel designs.

The 16-floor, 22,500 m² office building features a 3.5 m high column-free space throughout due to its unique structural design. This innovative building received a Gold in the 2016 London Design Awards, a Structural Steel Design Award in 2020, and has been shortlisted for several others.

PASSIVE FIRE PROTECTION EXPERTS FROM SHERWIN-WILLIAMS WORKED WITH THE CONTRACTOR, LAING O'ROUKE, STRUCTURAL ENGINEERS, ARUP, AND IN COOPERATION WITH SPECIALIST STRUCTURAL STEEL SUPPLIER, SEVERFIELD, TO ENSURE THE VAST AMOUNT OF STEELWORK WAS PROTECTED IN CASE OF FIRE FOR 60 MINUTES.

CONTRACTOR:
Laing O'Rourke

STRUCTURAL ENGINEERS:
Arup

STEEL FABRICATION:
Severfield

FROM SPEC TO PROTECT
protectiveemea.sherwin-williams.com

**SHERWIN
WILLIAMS®**

BRUNEL BUILDING, LONDON



SOLUTION

Passive fire protection experts from Sherwin-Williams worked with the contractor, Laing O'Rourke, structural Engineers, Arup, and in cooperation with specialist structural steel supplier, Severfield, to ensure the vast amount of steelwork was protected in case of fire for 60 minutes.

The solution to this involved several products from the Sherwin-Williams FIRETEX range of intumescent coatings. For the interior steelwork, the specification called for, FIRETEX C69 primer, FIRETEX FX2003 intumescent coating and FIRETEX M71V2 decorative topcoat. This proven system is designed for off-site application and can provide up to two hours fire protection for the life of the building

For the exterior steelwork, the solution was to use Macropoxy 400 primer, FIRETEX FX6000 intumescent coating and Acrolon C237 topcoat, which can also provide up to 2 hours protection in case of fire. The epoxy zinc phosphate primer and Certifire approved intumescent coat can be applied in shop, and both are fast drying to reduce throughput times. The fire tested and fully approved acrylic urethane topcoat has excellent colour retention, ideal to maintain a building's aesthetic appearance.

OUTCOME

The specified system ensured fast shop throughput, with minimum transport and handling damage allowing the contractor meet deadlines and keep the build on track, whilst offering the desired durability and fire protection.

FEATURED PRODUCTS

EXTERNAL:

- Macropoxy 400
- FIRETEX FX6000
- Acrolon C237

INTERNAL:

- FIRETEX C69
- FIRETEX FX2003
- FIRETEX M71V2

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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protectiveemea.sherwin-williams.com
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United Kingdom:

+44 (0)1204 556420
sales.uk@sherwin.com

Europe and Africa:

+44 (0)1204 556454
sales.uk@sherwin.com

Middle East:

+971 4 8840200
sales.me@sherwin.com

India:

+91 9871900878
pmsales.india@sherwin.com