

fire

Case study

Bayer Leverkusen/Bay Arena



FIRE PROTECTION FOR STRUCTURAL STEEL – WE'VE GOT IT COVERED



Substrate: Steelwork.

Requirements: Fire protection for up to 30 minutes, whilst maintaining the aesthetic appearance of the structure.

Specifications: FIRETEX® FX1000 intumescent coating and C137V2 topcoat for externally exposed steel.

Area coated: 1500m²

Main contractor: Köster Bau.

Consultant engineer: HPP Hentrich-Petschnigg & Partner.

International Head Office

Tower Works Kestor Street
Bolton BL2 2AL United Kingdom

tel: +44 (0)1204 521771
fax: +44 (0)1204 382115

email: enquiries@leighspaints.com
web: www.leighspaints.com

To find your local representative, distributor or licensee please visit www.leighspaints.com or email support@leighspaints.com

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THE PROJECT

The new look Bay Arena for Bayer Leverkusen, has been praised for its unique architectural style. Taking 16 months to construct, the arena has increased its capacity from 22,500 to an impressive 30,210 seats by expanding the East and West areas of the stadium by up to 47 rows, including an upper tier. The design incorporates a state of the art roof weighing 2,800 tonnes with a diameter of 217 metres.

With its unique appearance, it was important that the Bay Arena's architectural design features were complimented by the fire protection solution, and not hidden behind it; and so Leighs Paints **FIRETEX**® FX1000 coating was selected to achieve 30 minutes fire protection.

THE SYSTEM

FIRETEX® FX1000 was selected to achieve 30 minutes fire protection for the structure. With its ease of application and great viscosity elements, a more aesthetically pleasing finish was achieved in a much quicker completion time.

Surfaces were blast cleaned to Sa 2.5 with a surface profile of less than 100 microns. The spent abrasive was then removed and a primer applied, before FX1000 was applied using an airless spray.

For steel members that will be exposed to the elements, Leighs Paints C137V2 topcoat was applied, to protect the coating.

FX1000 was selected because of its excellent track record, and quality reassurance. Tested both in our onsite **FIRETEX**® Test Centre and by third parties, ensures that the FX Range will perform when you need it most.