



Dubai Metro, UAE



Coal fired steam power plant
Class, Suralaya, Indonesia



Cairo Airport Terminal Extension, Egypt



Hull Football Stadium, UK



Skypark Edinburgh, Scotland



National Convention Centre, Qatar Doha
(Project under construction)



Tesco Extra, England



Steelwork coated with Steelmater products



Satellite Building Central Core,
Kuala Lumpur International Airport, Malaysia



Heated steelwork producing char

Fire Tested at Bodycote Warrington
Fire Research Centre



Jotun Coatings and Jotun Paints • Divisions of Jotun A/S

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Fire protection for structural steel

Steelmater



Introducing Jotun

Jotun is a global leader in paints and coatings. We have 74 companies and 40 production facilities on all continents. In addition, Jotun has agents, branch offices and distributors in more than 80 countries. Jotun supplies the residential, marine, offshore and protective coatings markets and is justly proud of its reputation as a company which provides high performance products, customer service and technical support second to none.

Among Jotun's diverse range of products are the Steelmaster Intumescent coatings for the protection of steelwork against fire.

It can take just a few minutes for unprotected steelwork in a building to attain temperatures of around 550°C in a fire. At this temperature, steelwork loses its load bearing capacity and the structure is likely to collapse, giving little time for people to evacuate and even less time for the fire service to bring the fire under control.

Building regulations and legislation demand fire protection to upgrade the fire resistance of buildings and the Jotun range of Steelmaster intumescent coatings can certainly stand the heat. As modern design often involves steel being expressed as an architectural feature, intumescent coatings are frequently the protection of choice.

Solvent-based Steelmaster 60/120 offers up to and including 120 minutes of fire protection and can be applied both on and off site. Steelmaster 60 WB is a waterborne product with low odour, often chosen as the ideal solution for on-site application. A full range of top sealers, both water borne and solvent-based are also available to complement the intumescent coating.

The helpful Jotun technical team can offer advice on specifying intumescent, interpreting the different legislation to recommend the most suitable Steelmaster products for your project. Their expertise will take into account the Environmental Protection Act, plus Construction, Design and Management regulations as well as factors such as the design of the structure, desired service life, conditions during application and exposure conditions.

And the benefits of choosing Steelmaster don't stop there! Jotun is a one stop shop for fire and corrosion protection, products and services, can offer a support service to customers to assist the operator in utilising the products fully. Jotun run special paint schools for both suppliers and contractors which can be held in house or at Jotun's premises to ensure the right coatings are specified and applied correctly.

Welcome to Jotun – quality assurance from concept to completion.

For further information on our products, please contact your nearest Jotun office or visit our website at www.jotun.com



Steelwork needs protection – against fire!

At a temperature of around 550°C, steelwork loses its "load bearing capacity". Unprotected steelwork could attain this temperature within minutes of a fire breaking out. However, today, building regulations/legislation usually demands some form of protection to upgrade the fire resistance of the structure allowing the occupants time to escape and the fire brigade sufficient time to try and bring the fire under control.

Where to use Steelmaster?

Modern design often involves the steel being expressed as an architectural feature. When steelwork is exhibited in this manner, intumescent paint is often the preferred choice of fire protection.



Meydan Racecourse, Dubai, UAE

Steelmaster products that can stand the heat!

Steelmaster – a single pack solvent-based, thin film intumescent coating for the fire protection of structural steel to provide fire resistance for up to 120 minutes.

Steelmaster – a single pack, thin film, waterborne, intumescent coating which provides up to 60 minutes fire protection to structural steelwork in dry internal environments. It has very low odour, making it an ideal solution for on-site application.

Steelmaster primers – Jotun offer a range of anticorrosive primers which have been fire tested for compatibility with the Steelmaster intumescent coatings to ensure the integrity of the system in terms of fire performance.

Steelmaster top sealers – a full range of top sealers, both waterborne and solvent-based, are available to complement our range of Intumescent coatings which may be tinted to most BS and RAL colours via Jotun's MCI (MultiColor Industries) tinting system.

Typical applications

- Airports
- Shopping centres
- Sports stadia
- Factories
- High-rise buildings
- Office blocks

Where aesthetics are important Jotun top sealers are available in a wide range of BS and RAL colours.

How to specify Steelmaster

Increasing environmental awareness combined with legislative pressures such as EPA (Environmental Protection Act) and CDM (Construction, Design and Management) regulations place a demanding burden on the specifier. The Jotun Technical Team can give advice and recommend the Steelmaster products that are most suitable for your project. Factors that need to be considered are not only the design of the structure, but also conditions during application and exposure conditions after application.



Satellite Building Central Core, Kuala Lumpur International Airport, Malaysia

Why specify Steelmaster

- Jotun is a global player who can offer a "one stop" range of fire and corrosion protection products and services.
- Steelmaster solvent-based products are suitable for both on-site and innovative off-site application.
- Where Steelmaster products are specified, Jotun offer a free of charge "spot" check service designed to assist the applicators to achieve a satisfactory specified standard.

This does not in any way imply liability or absolve the contractor from their contractual obligations.

- Jotun offer a designated Intumescent Paint School for both specifiers and contractors which can be held in house or at our premises.



Selfridges, Birmingham, UK