

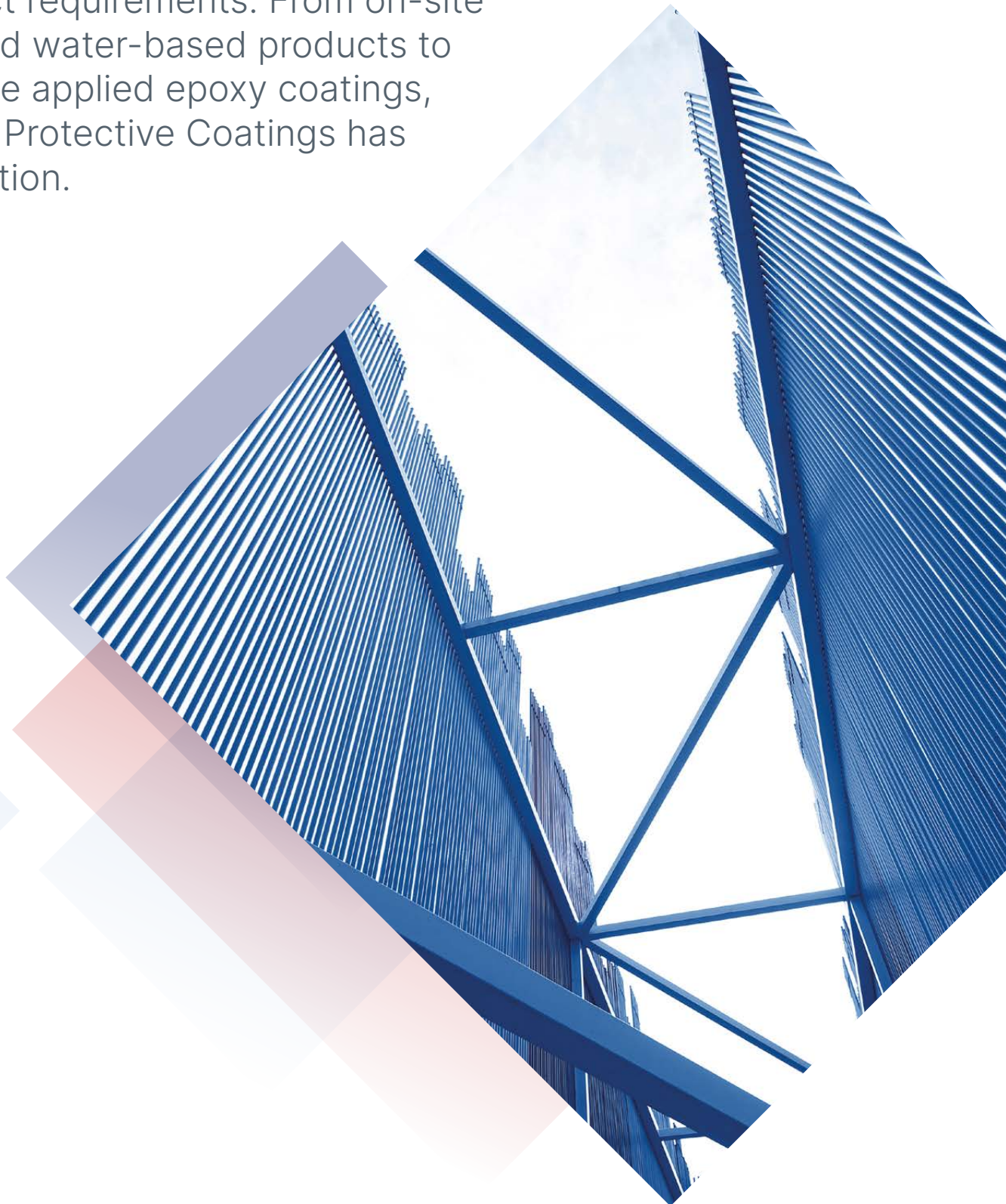
# Intumescent Coatings for Steel

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Dulux® Protective Coatings offers a comprehensive range of intumescent coatings for various project requirements. From on-site applied water-based products to off-site applied epoxy coatings, Dulux Protective Coatings has a solution.





# Water-based Intumescent Coatings

## FIRETEX® FX5090

Dulux FIRETEX® FX5090 is a water-based intumescent coating to provide up to 120 minutes of cellulosic fire protection for interior structural steel.

Dulux FIRETEX® FX5090 can be used in C1-C2 corrosivity environments when used within an approved Dulux Protective Coatings System.



### Features:

- Provides fire protection for up to 120 minutes
- Water-based, low VOC
- Smooth finish
- Compatible with a range of Dulux Protective Coatings topcoats and primers

### Benefits:

- Suitable for on-site application
- Low odour application
- Suitable for use in C1-C2 environments
- Potable water used as thinning agent

# Ultra-fast Drying Intumescent Coatings

## FIRETEX® FX6002

Dulux FIRETEX® FX6002 is an ultra-fast drying methyl methacrylate intumescent coating for the fire protection of interior and exterior structural steel. Dulux FIRETEX® FX6002 is rated to provide up to 120 minutes of cellulosic fire protection. Dulux FIRETEX® FX6002 can be used as a part of an approved system in exposed exterior environments.



### Features:

- Provides up to 120 minutes of fire protection
- Exterior durable protection
- Smooth finish
- Ultra-fast drying

### Benefits:

- Offers fire protection across a range of environments
- Ultra-fast drying, fast to process
- Transportable from shop to site
- Designed for off-site application

## FIRETEX® FX6010

Dulux FIRETEX® FX6010 is an ultra-fast drying methyl methacrylate intumescent coating for the fire protection of interior and exterior structural steel. Dulux FIRETEX® FX6010 is rated to provide up to 120 minutes of cellulosic fire protection. Dulux FIRETEX® FX6010 can be used as a part of an approved system in exposed exterior environments.



### Features:

- Provides up to 120 minutes of fire protection
- Exterior durable protection
- Smooth finish
- Ultra-fast drying

### Benefits:

- Offers fire protection across a range of environments
- Ultra-fast drying, fast to overcoat
- Designed for on-site application

# Epoxy Intumescent Coatings

## FIRETEX® Platinum

Dulux FIRETEX® Platinum is a solventless, ultra-high build epoxy intumescent with the ability to provide up to 60 minutes of cellulosic fire protection in interior and exterior locations up to a C5 environment. Dulux FIRETEX® Platinum can be applied directly to steel in up to C3 environments.



### Features:

- Exterior durable protection
- Resistant to handling damage
- Fast drying
- Solventless, low VOCs and low odour

### Benefits:

- Offers fire and corrosion protection across a range of environments
- Transportable from shop to site
- Fast drying, fast to process

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## FIRETEX® Platinum-120

Dulux FIRETEX® Platinum-120 is a solventless, ultra-high build epoxy intumescent with the ability to provide up to 120 minutes of cellulosic fire protection in interior and exterior locations up to a C5 environment. Dulux FIRETEX® Platinum-120 can be applied directly to steel in up to C3 environments.



### Features:

- Exterior durable protection
- Resistant to handling damage
- Fast drying
- Solventless, low VOCs and low odour

### Benefits:

- Offers fire and corrosion protection across a range of environments
- Transportable from shop to site
- Fast drying, fast to process



# Case Studies

## UnipolSai Tower: Milan, Italy

The UnipolSai Tower in the Porta Nuova district of Milan, Italy, is an elliptical office building with an outer exoskeleton of structural steel, which gives it a very striking appearance.

The iconic 23 storey, 120 metre high tower will be the headquarters of the Unipol Group, an Italian financial services holding company, and will contain commercial spaces, an auditorium, offices, and a panoramic roof garden where public cultural events can be held.

Designed by Mario Cucinella Architects, the building is LEED Platinum certified, the highest category of a building's 'green' features, which considers, design, construction, operations and maintenance of resource-efficient, high-performing, and cost-effective buildings.

**Location:** Milan, Italy

**Contractor:** Maeg Costruzioni

**Architect:** Mario Cucinella Architects

**Steel Fabricator:** MAEG Costruzioni Metalliche

**Featured Intumescent:** FIRETEX® FX6002

UnipolSai Tower



## Y-Towers: Amsterdam, Netherlands

The Y-Towers are two iconic buildings along the IJ waterfront in Amsterdam next to the “space-like” EYE Film Institute and A'DAM (Amsterdam Dance and Music) Tower.

One tower will house the Maritim Amsterdam, the flagship congress and conference hotel for the German Maritim Group. The second tower will be a high-quality residential building offering 179 dwellings and 120 long-stay apartments. The Y-Towers form part of a collection of six skyscrapers on the northern bank of the River IJ. Each tower has a character of its own.

The two y-towers also differ in their architecture, although their shared plinth makes them part of one building. Reaching a height of 110 metres, the hotel tower is the tallest, with a modest yet sleek in appearance, its vertical sides are faced in anthracite-coloured rough stone. In terms of architecture, the 101-metre-high residential tower is more expressive, with its staggered horizontal bands of sand-coloured natural stone.

**Location:** Amsterdam, Netherlands

**Contractor:** Rizzani de Eccher

**Architect:** Team V Architecture

**Steel Fabricator:** MAEG Costruzioni Metalliche

**Featured Intumescent:** FIRETEX® FX6002

Y-Towers



## Intumescent range data summary

	Product	Interior/ Exterior	Exposed/ Non-Exposed	On-Site Application	Off-Site Application	VOC Level (g/L)	Drying Characteristics*	
							Handle	To Overcoat Min.
<b>Water-based Coatings</b>	FIRETEX® FX5090	Interior	Non-Exposed	Yes	No	< 25	24 Hours	6 Hours
<b>Epoxy Coatings</b>	FIRETEX® Platinum	Both	Exposed	No	Yes	< 2	24 Hours	8 Hours
	FIRETEX® Platinum-120	Both	Exposed	No	Yes	< 2	24 Hours	6 Hours
<b>Methyl Methacrylate Coatings</b>	FIRETEX® FX6002	Both	Exposed	No	Yes	< 26	1 Hour	1 Hour
	FIRETEX® FX6010	Both	Exposed	Yes	No	< 24	2 Hours	1 Hour

For further product information refer to the relevant product data sheet.

\* These figures are a guide only and are based on typical results at 23°C and 50% Relative Humidity.

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