

**SHERWIN
WILLIAMS®**

FIRETEX®

CELLULOSIC PASSIVE FIRE
PROTECTION SOLUTIONS



FROM SPEC TO PROTECT

protectiveeu.sherwin-williams.com
protectiveemea.sherwin-williams.com



World class cellulosic fire protection solutions

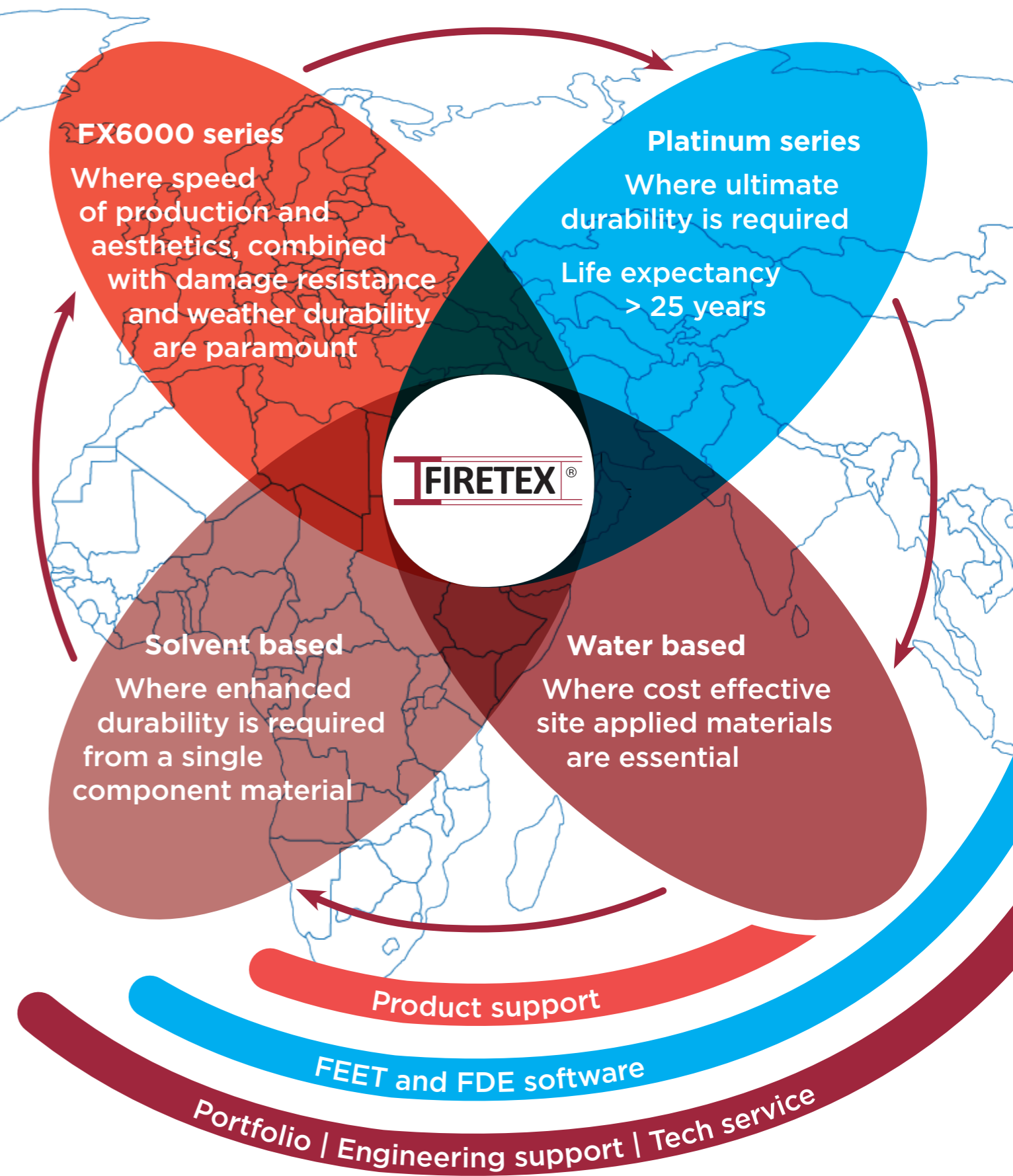
Sherwin-Williams FIRETEX® series is a comprehensive range of intumescent coatings designed to provide long term service and critical fire protection to structural steel for up to 120 minutes, while meeting demanding construction speed and design aesthetic requirements.

The FIRETEX range of passive fire protection coatings have solutions optimized for application in shop or at the job site, ensuring that whatever the construction schedule, there is a FIRETEX material to meet your needs.

With a wide range of environmental accreditations, including third party environmental declarations (EPD) the FIRETEX range can contribute to green building programmes such as LEED, BREEAM, WELL and DGNB.

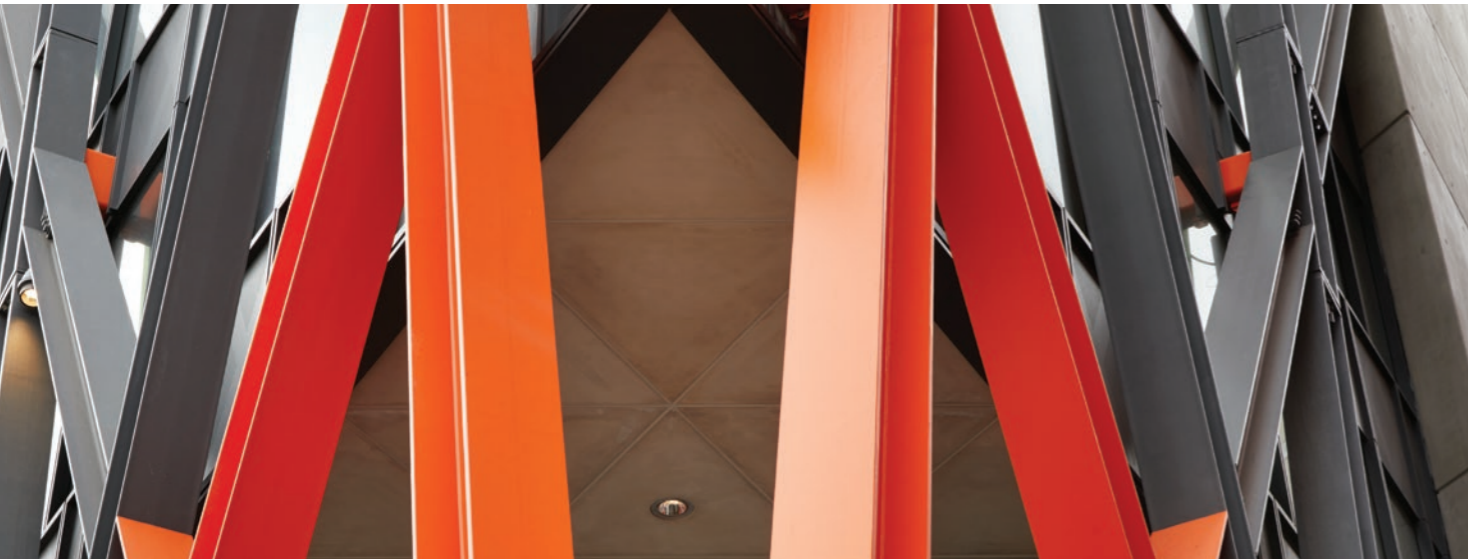
From the FX5000 series of water based coatings developed to provide low odour fire protection for interior exposed steel, to the Platinum range of epoxy materials designed to provide outstanding durability in the most aggressive environments, the FIRETEX range of coatings is the trusted and reliable solution for your asset.

Protecting lives with locally accredited and approved solutions



FIRETEX® FX6002

Ultra-fast drying intumescent passive fire protection



FIRETEX® FX6002 has been designed to give the shortest possible time from application to handling for fire resistance periods up to 2 hours.

It delivers unparalleled speed of drying, together with an extended range of approved fire scenarios and up to 25 years exterior durability (C4VH tested) to support design flexibility and creative exposure of structural steel surfaces in building design.

- C1 to C5 environments inclusive
- Tested to BS476 Part 20/21
- Assessed to ASFP Yellow Book 5th Edition
- Third party certified under Certifire CF5644
- Tested according to EN16623, including EN13381 parts 8 & 9
- Certified under ETA 20-1261



1 hour drying time



Durable



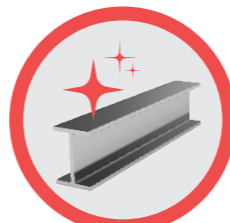
Damage resistant



Weather resistant



Adhesion tested



Aesthetic

FIRETEX® FX6002

Two-pack epoxy single-coat system

Single-pack solvent based intumescent



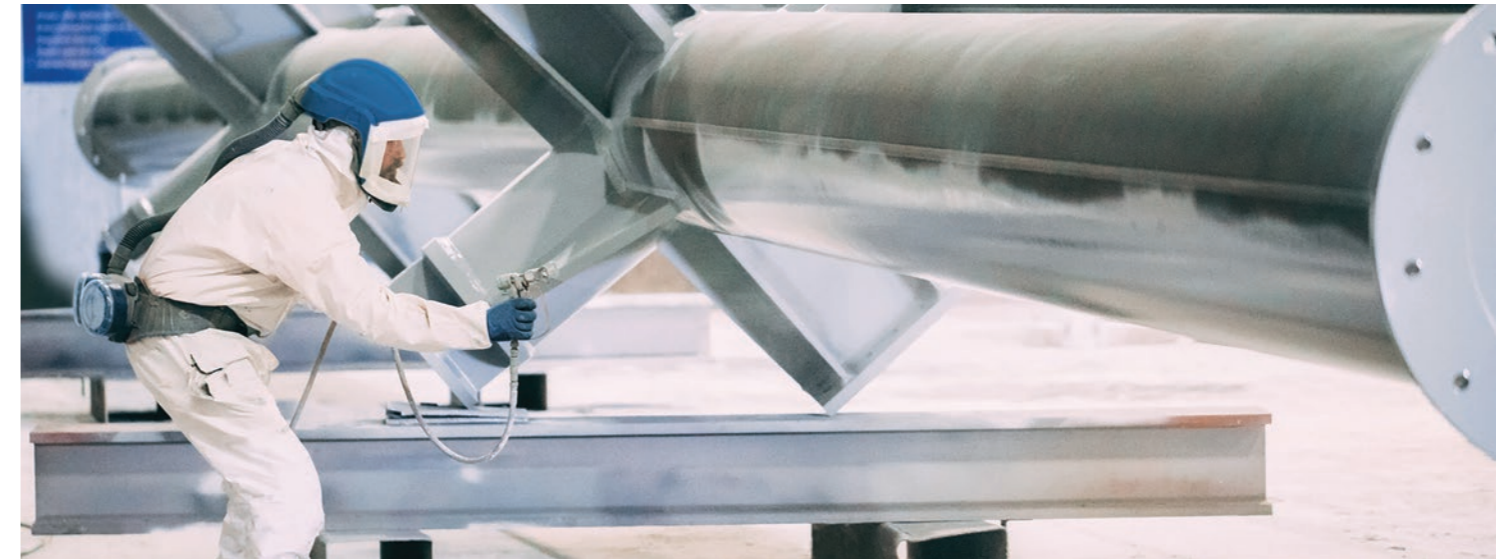
DRYING TIME

The time to apply and dry a 120 minute fire protection system for a hollow section

1 2 3 4 5 6 7 8 days

FIRETEX® FX6010

Fast drying intumescent passive fire protection coating



Sherwin-Williams FIRETEX® FX6010 intumescent coating has market-leading properties that give significant time and cost savings for applicators, enabling steel fabricators to satisfy the fire protection requirement of their clients and architects.

FIRETEX® FX6010 can be applied by normal airless spray equipment giving greater flexibility for the contractor to complete the application on or off-site. The rapid drying characteristics enable high productivity and a quick return to service with minimum disruption to the schedule.

- Rapid drying, overcoating, inspection and hand-over, reducing impact on critical path for site application and maximising throughput when applied in shop
- Suitable for field or shop application
- Formulated for ease of application
- Can be applied by single component airless spray
- Early weathering resistance
- Excellent durability, with resistance to weather and damage, including during any transport and erection processes
- Low VOC, reduces environmental impact
- Extensively certified



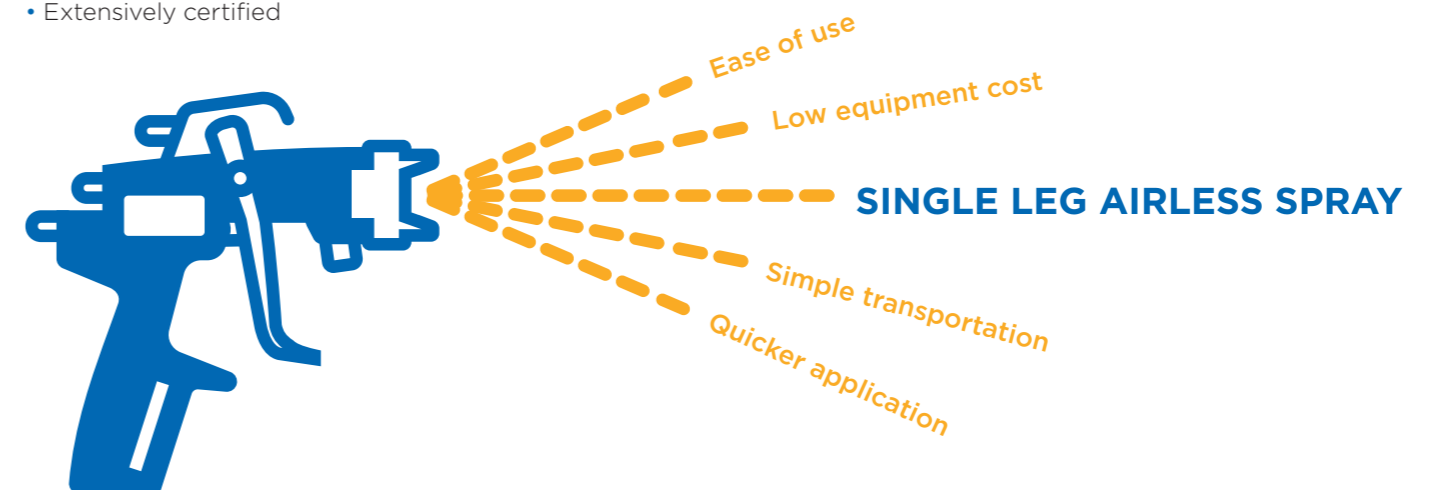
Tested and certified protection



Good durability with superior finish



Faster drying accelerates overcoating, inspection and hand-over



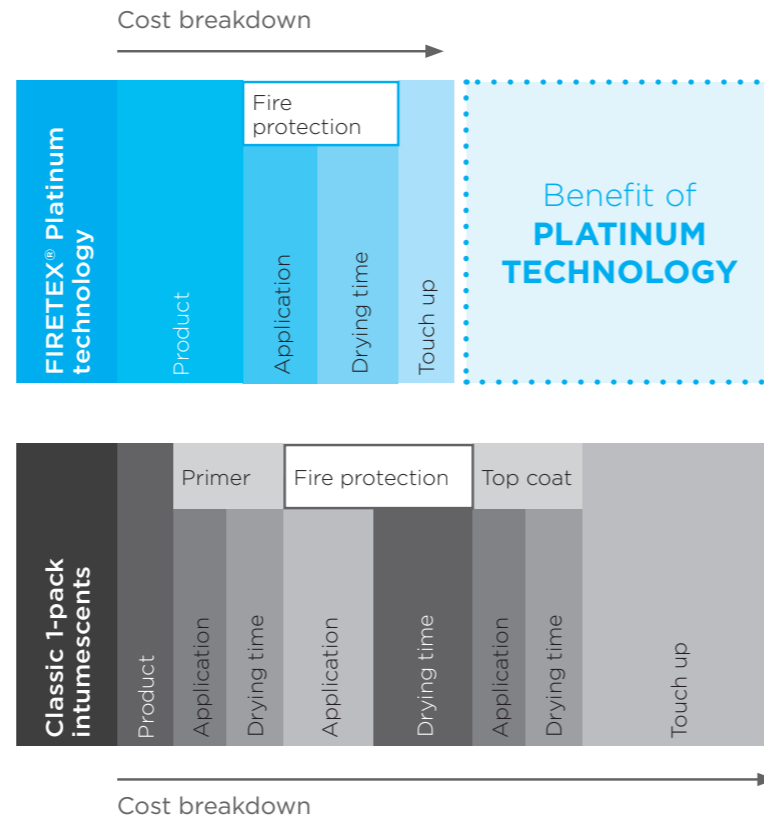
SINGLE LEG AIRLESS SPRAY

FIRETEX® PLATINUM TECHNOLOGY

The Ultimate in Durability

Originally launched in 2012, the FIRETEX® Platinum range was truly innovative. Developed in collaboration with key industry partners the Platinum products represented a new generation of epoxy intumescent coatings for the cellulosic fire protection market.

Platinum Technology differentiates itself from conventional 1-pack fire protection coatings in certain key ways; its fast and predictable drying, resistance to mechanical damage, and the option to eliminate primer and topcoat in certain circumstances. Furthermore, the FIRETEX® Platinum range represents the ultimate in weather resistance compared to other single and multi-component intumescent coatings.



IN-SHOP APPLICATION

Dries by chemical reaction meaning fast and predictable drying times

SOLVENT-FREE

Meets the requirements of DGNB, LEED and BREEAM

TOUGH AND DURABLE

Outdoor storage of the coated steel components is possible

2 IN 1: FIRE PROTECTION + CORROSION PROTECTION

Tested as a coating system for C5 very high according to ISO 12944-6

FIRETEX® Platinum-30

The Economical One

The 2-pack epoxy resin-based fire protective coating benefits from the well-known advantages of the technology and is tailored to the fire-resistance rating up to R45. As an ultra-thin coating, FIRETEX® Platinum-30 offers a considerable saving of material in comparison to FIRETEX® Platinum for R30 requirements.

FIRETEX® Platinum

The Innovative One

FIRETEX® Platinum started as a genuine innovation and very quickly established itself on the market thanks to its outstanding product features. Since then, over one million square metres of steel have been coated with the 2-pack intumescent coating. FIRETEX® Platinum has proven above all to perform particularly well for requirements from R45 to R90.

FIRETEX® Platinum-120

The Persistent One

FIRETEX® Platinum-120 completes the performance spectrum of the Platinum Technology. As a long-term performer, the intumescent coating attains maximum performance and lifetime with fire resistance rating of up to 150 minutes.

> R30

- Life expectancy > 25 years
- No primer and no top coat needed for outdoor application, type X
- Fast curing, transportable and ready to assemble in as little as 24 hours after application

> R60

- 100% solids
- Excellent corrosion protection according to ISO 12944-6
- High mechanical impact, shock and abrasion resistance, minimising transport and handling damage

> R90

- Cleanable surface by high pressure water jetting
- Flexible application with single or plural component airless spray equipment

> R120

- Many international approvals
- Free from halogens
- DGNB, LEED v4, BREEAM
- Free from solvents



FIRETEX® FX5000 Series

Water based intumescent fire protection

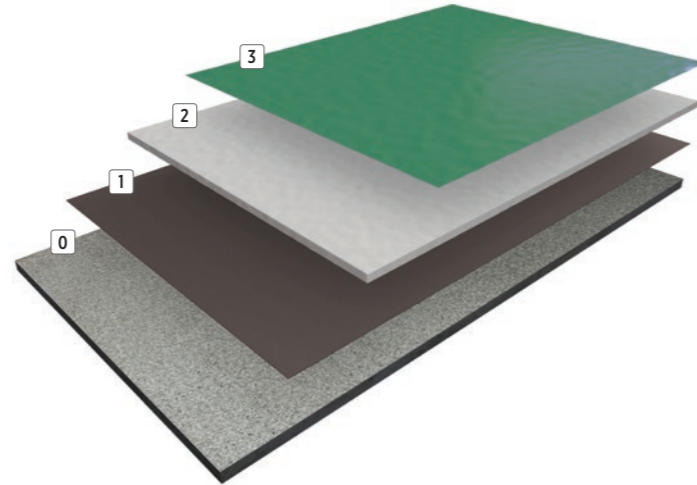
Sherwin-Williams' water based acrylic coatings provide highly competitive solutions for the protection of structural steelwork for periods of 15 to 120 minutes.

Designed for application to erected steelwork they are suitable for use in internal environments; Z2 up to Y categories where they provide a long term, cost effective fire protection solution.

Formulated for ease of application FIRETEX® water based intumescent coatings can be used to provide a great visual appearance on steelwork which will be visible in the finished building.



FIRETEX® FX5090 has certified loadings for time periods from 15 to 120 minutes, it is primarily designed to meet the needs of 90 minute fire protection projects, but also finds use on 120 minute projects.



Standard system specification for Z2 and Z1 corrosive environments

- 3 Topcoats*: **FIRETEX® M71V2, Acrolon® 7300 Series or Sher-Cryl® M770**
- 2 Intumescent: **FIRETEX® FX5000 Series**
- 1 Primer*: **Macropoxy® 400 Series**
- 0 Carbon steel: Blast-cleaned to Sa 2½ according to ISO 8501-1

Standard system specification for Y corrosive environments

- 3 Topcoat*: **Acrolon® 7300 Series**
- 2 Intumescent: **FIRETEX® FX5000 Series**
- 1 Primer*: **Macropoxy® 400 Series**
- 0 Carbon steel: Blast-cleaned to Sa 2½ according to ISO 8501-1

* Sherwin-Williams has evaluated a number of alternative primers and topcoats, for details of approved products please contact your Sherwin-Williams representative.

FIRETEX® FX2000 and FX1000 Series

Solvent based intumescent fire protection

Formulated using solvent borne acrylic resin technology these materials offer a highly versatile solution to meet fire protection requirements from 15 to 120 minutes.

These products offer excellent application characteristics giving a quick and trouble free application, which can provide an aesthetically pleasing standard of finish.

The **FX2000 Series** are developed for faster drying and use a more volatile solvent blend which has a lower flash point temperature.

FIRETEX® FX2002 has certified loadings for periods of 15 to 120 minutes.

FIRETEX® FX2007 60 minutes fire resistance.

Standard system specification for Z2 and Z1 corrosive environments

- 3 Topcoats*: **FIRETEX® M71V2, Acrolon® 7300 Series or Sher-Cryl® M770**
- 2 Intumescent: **FIRETEX® FX2000 or FX1000 Series**
- 1 Primer*: **Macropoxy® 400 Series or FIRETEX® C69**
- 0 Carbon steel: Blast-cleaned to Sa 2½ according to ISO 8501-1

Standard system specification for Y and X corrosive environments

- 3 Topcoat*: **Acrolon® 7300 Series**
- 2 Intumescent: **FIRETEX® FX2000 or FX1000 Series**
- 1 Primer*: **Macropoxy® 400 Series or FIRETEX® C69**
- 0 Carbon steel: Blast-cleaned to Sa 2½ according to ISO 8501-1

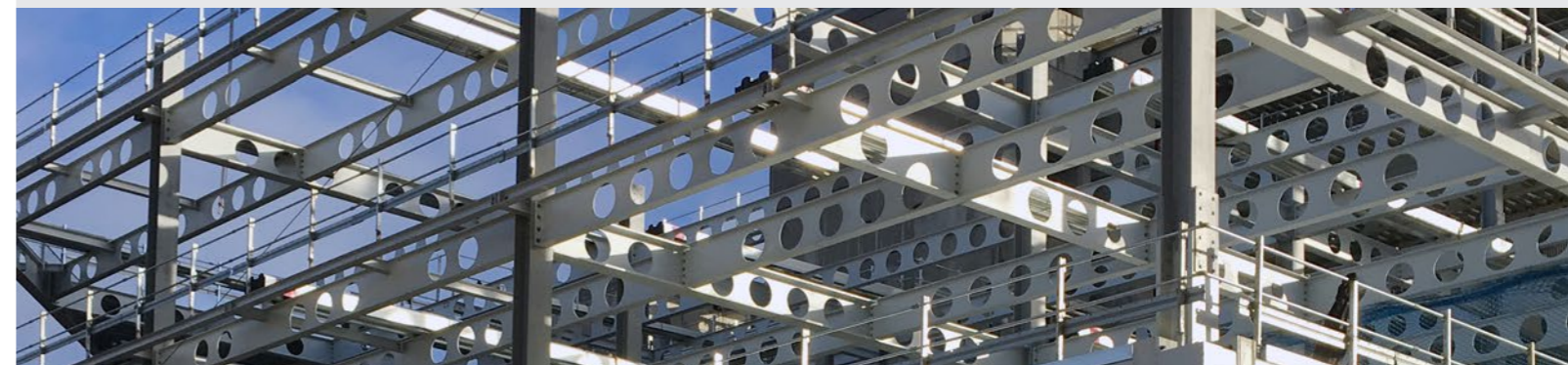
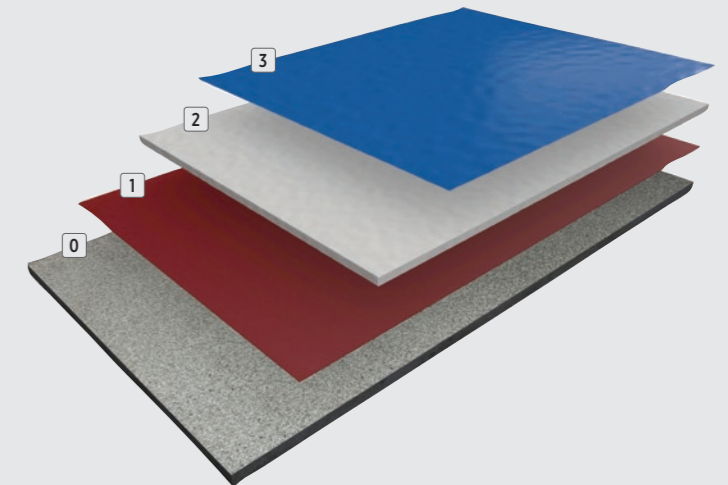
Highly versatile product range

Consult your Sherwin-Williams representative for specification advice and details of approved primers and topcoats.

The **FX1000 Series** employ a high flash point solvent blend to optimise application characteristics and minimise safety requirements during application.

FIRETEX® FX1002 has certified loadings for periods of 15 to 120 minutes.

FIRETEX® FX1007 60 minutes fire resistance.



FROM START TO FINISH

The **Sherwin-Williams Fire Engineering and Estimation Team (FEET)** offers expert advice on which coatings can be used in different sections of a building in order to optimise the passive fire protection of the structural steelwork. The team comprises of highly qualified engineers who are dedicated only to fire. The service offered by the team coupled with our third party verified software solutions is unique within the industry and is available around the clock from our three separate global engineering offices.



Fire engineering and estimation/
FIRETEX thickness enquiries:
Tel: +44 (0)1204 556423 (UK)
+49 7042 109 4000 (DE)
Email: feet.support@sherwin.com

The process

When a project's details are submitted, via almost any format (including 3D BIM Tekla Structures models), along with the specification for the environment, the highly trained engineers in Sherwin-Williams 'FEET' calculate thicknesses across multiple fire rating time frames against our extensive product range to provide the most economical, cost effective and fire safe solution for the project.

This also includes advanced structural fire engineered approaches. The team design for both cellulosic and hydrocarbon fire scenarios. Data can be seamlessly shared back to the 3D BIM model for future building maintenance and fire management.

Services offered by FEET

- Technical advice
- Training
- Early concept advice
- Bespoke fire protection calculating industry leading software
- Standard FIRETEX design
- Fire engineering design

OUR COMPETENCE

In the development and production of our intumescent coatings, we focus on high-quality and sustainable solutions in which the success of our customers and the safety of people, buildings and the environment have the highest priority. Every batch of our fire protection coatings is fire tested before use.

When every second counts.....

FIRETEX[®], Unitherm[®] and Pyroplast[®] fire protective coating systems for:

Steel



Wood



Concrete



Corrosion protection – proven and innovative

In addition to fire protection, our expanded portfolio of high-performance coatings and systems is engineered to defend assets against corrosion, chemical attack, wear, or high temperatures. With world-class industry subject matter expertise, unparalleled technical and specification service and unmatched regional commercial team support to our customers around the globe, we offer high-performance coating systems to help customers achieve smarter, time-tested asset protection.

Our coating solutions help protect assets in many industries, including:

- Infrastructure - civil and commercial
- Energy - from oil and gas operations to wind, solar and biofuels
- Manufacturing and Processing – production facilities in most markets



FIRETEX[®] SERIES

CELLULOSIC PASSIVE FIRE PROTECTION SOLUTIONS

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 - including protective liquid and powder, fire protection and resinous flooring - excel at combating corrosion and help customers achieve smarter, time-tested asset protection. We serve a wide array of markets across our rapidly growing international distribution footprint, including Bridge & Highway, Energy, High Value Infrastructure, Manufacturing & Processing, Marine, Rail, Power and Water & Wastewater.

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