



Protective & Marine Coatings

**FIRETEX[®] FX5060/
FX5090/FX5120**

**Water based intumescent
coatings designed for
internal environments.**



FIRETEX[®]

INTUMESCENT PASSIVE FIRE PROTECTION

FIRETEX® FX5060/FX5090/FX5120

Water based intumescent coatings designed for internal environments

Innovation is a key guiding value of our business



Sherwin-Williams latest generation 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 fitting in the ISO12944-2 corrosivity categories C1 and C2 where they will provide a long term cost effective fire protection solution.

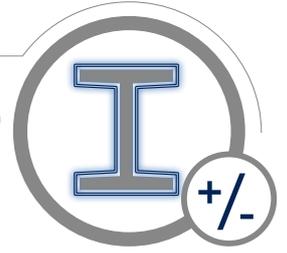
Formulated for ease of application FIRETEX® water based intumescent coatings can be used to provide a great visual appearance on steelwork which will be visible in the finished building.

The three variants complement each other to ensure that Sherwin-Williams product offer is as competitive as possible across different fire protection periods and steel shapes and sizes.



INTUMESCENT PASSIVE
FIRE PROTECTION

Volume reduction, save time and money



Lower loadings for effective fire protection.

- Greater design flexibility.
- Optimised specifications.
- Single coat coverage.

Increased application throughput.

- Speed up project completion.
- Fewer coats, reducing downtime.

Up to two hours protection



Designed for cellulosic fire protection

- Competitive solutions from 15 to 120 minutes passive fire protection.
- Long lasting durability – life of building C1 environment. Up to 20 years with appropriate sealer C2 environment.

Fully tested for your reassurance

- ISO 12944-2 – C1 and C2.
- Tested to BS476 Part 20/21.
- Assessed to ASFP Yellow Book 5th Edition.

Passive fire protection product offering



FIRETEX® FX5060.

- Certified loadings for time periods from 15 to 90 minutes, it is primarily aimed at the needs of the 60 minute fire protection (period) market but also finds use on 90 minute projects.

FIRETEX® FX5090.

- 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.

FIRETEX® FX5120.

- Certified loadings for time periods from 60 to 120 minutes and is primarily formulated to meet the needs of 120 minute fire protection projects.

Flame Towers, Baku, Azerbaijan

Protective Coatings: The flicks had Sa2½ clean followed by Macropoxy™ 400 primer 100 micron DFT, FIRETEX® FX5120 to a required film thickness of 1800 micron to 2600 micron DFT and Acrolon™ C237 at 100 micron DFT.



Birmingham Library, United Kingdom.

Protective Coatings: FIRETEX® FX5120/Sher-Cryl™ M770.

Technical information



| Product | FIRETEX® FX5060 | FIRETEX® FX5090 | FIRETEX® FX5120 |
|------------------------------------|--|--|---|
| Recommended use | FIRETEX® FX5060 is designed for application by airless spray to provide fire resistance for periods of up to 90 minutes on structural steel. For use in internal dry controlled environments without topcoat (C1 according to ISO12944-2:1998) and internal semi-controlled environments with topcoat (C2 according to ISO12944-2:1998). | FIRETEX® FX5090 is designed for application by airless spray to provide fire resistance for periods of up to 120 minutes on structural steel. For use in internal dry controlled environments without topcoat. (C1 according to ISO12944-2:1998) and internal semi-controlled environments with topcoat (C2 according to ISO12944-2:1998). | FIRETEX® FX5120 is designed for application by airless spray, to provide fire resistance for periods of up to 120 minutes on structural steel. FX5120 can also be used to enhance the fire resistance of concrete slabs and decks up to 60 minutes. For use in internal dry controlled environments without topcoat (C1 according to ISO12944-2:1998) and internal semi controlled environments with topcoat (C2 according to ISO12944-2:1998). |
| Fire Protection | 90 minutes. | 120 minutes. | 120 minutes. |
| Certification | CF5267. | CF5188. | CF5012. |
| Durability | Life of Building (C1). Up to 20 years with appropriate sealer (C2). | | |
| Volume Solids | 69 + - 3%. | | |
| VOC | 35g/litre. | 0.19g/litre. | 3.35g/litre. |
| Recommended primers | A range of primers have been fire tested and approved for use with FIRETEX®. Please consult Sherwin-Williams Customer Service Department for detailed information. | | |
| Approved topcoats | If it can be guaranteed that application and subsequent in-service conditions will be in a C1 environment as defined in ISO 12944-2:1998, then no topcoat is required. For any other situation a topcoat must be applied, consult Sherwin-Williams Customer Service Department for advice. Sher-Cryl™ M770, FIRETEX® M71V2, Acrolon™ C137V2 or C237. These products should be used for subsequent re-decoration. | | |
| Application | Single component airless spray and brush. | | |
| WFT (µm) | 1450 per coat by airless spray. | | |
| DFT (µm) | 1000 per coat by airless spray. | | |
| Time to touch dry (Typical) | 1.5hrs @ 23°C (dependant on film thickness and drying conditions). | 1.5hrs @ 23°C (dependant on film thickness and drying conditions). | 3hrs @ 23°C (dependant on film thickness and drying conditions). |
| Time to recoat (Typical) | 4hrs @ 23°C (dependant on film thickness and drying conditions). | 4hrs @ 23°C (dependant on film thickness and drying conditions). | 6hrs @ 23°C (dependant on film thickness and drying conditions). |
| Time to handle | Depends on the total thickness of FIRETEX® FX5060 to be applied. | Depends on the total thickness of FIRETEX® FX5090 to be applied. | Depends on the total thickness of FIRETEX® FX5120 to be applied. |



CE Marked coatings to EN 13381-8.

The Sherwin-Williams Company

With over 150 years experience in the coatings industry we understand how critical it is that your investment gives you a quality, long term fire protection system, which performs in demanding environments.

The world class FIRETEX® range provides a smooth, hard finish that allows flexibility and creative exposure of structural steel surfaces in building design, whilst also providing essential protection of steelwork from 15-120 minutes.

Whether you specify FIRETEX® alone or in conjunction with our exceptional primers and top coats, you can be assured that you are selecting a passive fire protection system that has been researched, developed and tested to the highest international standards.

Speak to your Sherwin-Williams representative to get an estimate on your next project using our FIRETEX® intumescent materials.



INTUMESCENT PASSIVE
FIRE PROTECTION



To learn more, contact us

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Protective & Marine Coatings

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