



# FIRETEX<sup>®</sup> FX6002

## Frequently asked questions

### What pack sizes are available?

At launch FX6002 will be available in three component 36 litre and two component one litre packs. Larger pack sizes are being considered.

### Is there a choice of colour?

No. FX6002 is only available in light grey.

### What is the supply format?

FX6002 will be supplied as; base, additive and catalyst for the 36 litre pack or base and catalyst for the one litre repair kit.

### What equipment do you need for spray application?

The FX6002 three component pack is designed for application using a 1:1 ratio plural component pump, advice on suitable pumps can be obtained from Sherwin-Williams' technical services department.

### When will IBC's/200's be made available?

The supply of FX6002 in larger pack sizes is being evaluated. It is likely that any larger pack sizes will not be available until Q2-Q3 2019.

### Can this be brush or roller applied?

Due to the short working time and low viscosity of FX6002 application by roller is not recommended.

Application by brush is possible for small areas but the applied thickness will be significantly lower than by spray making multiple coats necessary. Application of the repair kit (one litre pack size) may be done by trowel or brush, the choice will influence the finish achieved. During any "hand" application careful attention must be paid to the working time/pot life of the product.

### What is the pot life?

This depends on the ambient conditions, details are shown on the product datasheet but in general, the pot life is around 30 minutes.

### What is the shelf life for the product?

FX6002 has a shelf life of six months.



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### Can FX6002 be used across the full range of steel i.e. columns, beams, cellular, hollows?

FX6002 has been tested on columns, beams including cellular and hollow sections, the scope of protection within each of these can be found on the ETA, Certifire certificate and product loading tables.

### What are the environmental conditions for this product to be applied direct-to-metal?

Sherwin-Williams endorse the direct-to-metal application of FX6002 in environments up to and including ISO12944-2; C3. For this the substrate must be abrasive blast cleaned to Sa2½ (ISO8501-1) and the application must take place before the surface degrades.

### How fast does it dry for touch?

This depends on applied thickness and ambient conditions, guidance is given on the product datasheet but as a general rule FX6002 will be touch dry in around one hour.

### How long will it be before I can chain and move the steel within a shop environment?

This depends on applied thickness and ambient conditions, guidance is given on the product datasheet but as a general rule FX6002 will be ready to handle in around two hours.

### What typical costs savings can I expect, compared to using another fire protection product?

Comparing FX6002 to single component intumescent materials you will find benefits in the speed of drying/curing, meaning for example a 120 minute protected hollow section could be coated, dft checked and top coated in a shift then loaded out the following day. Using a solvent or water based single component intumescent by comparison this process could easily take over 1 week!

Off-site applicators of intumescent coatings typically expend significant resources repairing transport and erection damage of single component intumescent coatings. Experience with FX6000 has shown a substantial reduction in such damage due to the quicker drying/curing which allows the coating to be fully cured before loading out of the paint shop, typically applicators compromise drying time for shop throughput when using single component intumescent coatings. FX6002 also produces a much tougher film than the single component materials helping it resist mechanical damage.

Sherwin-Williams cannot quantify the cost savings of the above FX6002 benefits as they are within the applicator's scope and any information we might have would be specific to the applicator who provided it. Although FX6002 has a greater per litre price than for example FX2003 and generally require a higher dft to achieve the same fire protection rating, we have seen a high level of interest by applicators in the lead up to this product launch clearly indicating they have seen it will save them money.

### Will it pass the new ISO12944-2018 standard?

ISO12944 relates to protective coatings designed for the prevention of corrosion of steel. FX6002 has been tested in accordance with the ETAG18-2 durability programme which is more relevant to intumescent coatings. Sherwin-Williams technical team have equated the ETAG18-2 results to ISO12944-2 environments as the coating industry does not yet widely recognise the Z2, Z1, Y and X categories.



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### What fire testing approvals has the product achieved?

At launch FX6002 will have the necessary approvals to be used on projects within the United Kingdom, i.e. tested to BS476-20 & 21 with a Certifire certificate. It also has an ETA (European Technical Assessment) and CE mark.

### How do I understand the reduction in loadings on my project?

Sherwin-Williams FEET Team will be able to provide MTO's based on FX6002 allowing clients to compare FX6002 with other FIRETEX® materials.

### Is a repair kit available?

Yes.

### Is there a minimum order quantity for the repair kit?

One box containing six repair kits.

### Is it only used in a shop environment or can I use it on-site?

FX6002 may be used in-shop or on-site, in each case bringing advantages of faster processing, resistance to mechanical damage and durability.

### Any special storage instructions?

With storage of the base and additive, no special storage is required beyond that which is normal for paints. The peroxide catalyst must be stored in accordance with the information given in the product's MSDS, it will need to be stored separately to other paint materials.

### How long can I store it outside without a top coat?

FX6002 is suitable for exposure up to and including ISO12944-2 C3 environments without a top coat.

### What is the time before life to first maintenance?

- C1 – Life of building.
- C2 – Life of building with a top coat, up to 20 years without.
- C3 – Up to 20 years.
- C4 – Up to 20 years.
- C5 – Up to 10 years.



# FIRETEX® FX6002

## Frequently asked questions

### Which approved primers and top coats can I use?

FIRETEX® C69

Macropoxy™ C400V3

Acrolon™ 7300

Acrolon™ C137V2

Acrolon™ C237.

Please Sherwin-Williams Technical Support Team for further information.

### Do I need a tie coat?

Not normally, if in doubt please contact Sherwin-Williams technical customer services team.

### Can I use a competitor primer/top coat?

Competitor primers can be over coated with FX6002 subject to the same guidance we have for the other FIRETEX® materials, i.e. on-site trial for project specific approval or lab testing for a general product approval.

Top coats can have a direct impact on the performance of intumescent coatings in the event of a fire and so only approved top coats should be used.

### Are there any maximum primer DFT's that FX6002 can be applied over?

Where a primer has been applied above its normal datasheet thickness please consult Sherwin-Williams' technical customer services team for advice. In general Sherwin-Williams see no reason for primer DFT's in excess of 250µm and would want to consider any such cases on an individual basis. Unless there is going to be an extended period between primer and intumescent application the primer thickness should normally be 25-50µm for a blast primer (e.g. C69) or 75-125µm for a normal epoxy primer (e.g. C400V3).

### Does FX6002 have EN 13381-8 and EN 13381-9 certification?

Yes.

### Does it smell?

FX6002 has a characteristic smell of methacrylate.

### Do I need specialist PPE?

PPE requirements must be evaluated by the application contractor as part of the risk assessment process. Sherwin-Williams does not consider the requirements to be "specialist" but from the applicator's point of view this will depend on what they are used to applying.



# FIRETEX® FX6002

## Frequently asked questions

### Can I use FX6002 with other FIRETEX® products?

In the same way as the other FIRETEX® products FX6002 may be used alongside other FX materials on a project where there is benefit in doing so. Sherwin-Williams prefer that a single product is used to protect each individual element of a structure.

### Do any other FIRETEX® or intumescent products dry as quickly as FX6002?

No. This is a feature unique to FX6002.

### What periods of fire duration can I use FX6002?

FX6002 can be used for protection periods of up to 120 minutes. A limited set of data is available for longer periods, please consult Sherwin-Williams for details.

### What is the anticipated service life of FX6002?

In most environments FX6002 will be expected to last the life time of the building, this however relies on the building owner/operator following an inspection and maintenance programme.

### Does it have any UN HSE restrictions? (Labelling on cans).

Please consult Sherwin-Williams Safety Datasheet.



### To learn more, contact us

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