



FIRETEX® FX1008

SOLVENT BASED INTUMESCENT

Revised 02/2026 Issue 1

PRODUCT DESCRIPTION

A single pack thin film intumescent coating.

RECOMMENDED USE

FIRETEX FX1008 is designed for in-shop application by airless spray, to provide fire resistance for up to 120 minutes on structural steel. After appropriate drying, FIRETEX FX1008 can resist normal weather conditions for up to 6 months without topcoat provided that the specific use does not lead to ponding water due to rainfall, condensation or other site circumstances. Once an approved topcoat has been applied as appropriate to the prevailing conditions, then durability will be substantially enhanced.

PRODUCT TECHNICAL DATA

Volume Solids: 75% ± 4% (ASTM-D2697-03)
Weight Solids: 81% ± 4% (ASTM-D2697-03)
VOC: 277 g/l determined practically in accordance with UK Regulations PG6/23.
 350 g/l calculated from formulation to satisfy EC Solvent Emissions Directive
 265 g/kg content by weight from formulation, to satisfy EC Solvent Emissions Directive
Colours: White
Flash Point: 30°C.
Cleaner/Thinner: No. 2 (for thinning)
Pack Size: Single component material:
 20 litre (26.4 kg) units
 Weight will vary with colours and density.
Density: 1.320 kg/l (may vary with colours).
Shelf Life: 2 years from date of manufacture, stored in originally sealed containers in a cool and dry environment.
 "Use By" date where specified.

Recommended Application Methods:

Airless Spray, Brush

Typical Thickness:

Recommended Spreading Rate Per Coat

	Airless Spray	Brush
Dry	1600 µm	300 µm
Wet	2133 µm	400 µm
Theoretical Consumption*	2.816 kg/m ² 2.133 l/m ²	0.528 kg/m ² 0.400 l/m ²
Theoretical Coverage*	0.360 m ² /kg 0.470 m ² /l	1.890 m ² /kg 2.50 m ² /l

*At stated dry film thickness

AVERAGE DRYING TIMES

For 1600 µm Dry Film Thickness

	+ 15°C	+ 23°C
Dry to touch	60 minutes	30 minutes
Dry to handle	This will depend on the total thickness of FIRETEX FX1008 to be applied	
To Recoat	4 hours	4 hours

These figures are given as a guide only. Factors such as air movement and humidity must also be considered.

APPROVALS & ENDORSEMENTS

Independently fire tested and approved to major European and national standards including:

- Certifire Approved - Certificate CF10335

SURFACE PREPARATION

FIRETEX FX1008 is designed for use over a suitably prepared and primed substrate.

Ensure surfaces to be coated are clean, dry and free from all surface contamination such as oil, grease, dirt and corrosion products to achieve satisfactory adhesion.

Under certain circumstances it may be possible to apply FIRETEX FX1008 directly to steel blast cleaned to a minimum standard of Sa2½ ISO 8501-1, surface profile in the range 50-100 microns.

Consult Sherwin-Williams for further details.

APPLICATION CONDITIONS

This material should preferably be applied at temperatures in excess of 5°C. In conditions of high relative humidity, ie 80-85% good ventilation conditions are essential. Substrate temperature shall be at least 3°C above the dew point and always above 0°C.

The material must be protected from moisture during the drying period. Moisture ingress prior to drying may affect the integrity and fire protective properties of the coating.

No more than 2 coats by airless spray should be applied within any 24 hour period.

If the maximum recommended thickness per coat is exceeded or high film thicknesses are overcoated prematurely, cracking may occur.

FIRETEX FX1008 is capable of withstanding external exposure without topcoat providing:

- The product is allowed to dry for at least 24 hours at 15°C in dry conditions with good air movement and ventilation. These conditions are based on a total dry film thickness of up to 800 microns. The drying time required will be increased if the film thickness is greater than 800 microns.

- The substrate temperature is at least 3°C above the dew point at the time of application and during the drying period.



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APPLICATION EQUIPMENT

Airless Spray

Tip Size: 0.38-0.63 mm (15-25 thou) depending on application requirements

Fan Angle: 30°

Operating Pressure: 210kg/cm² (3000 psi)

The details of airless spray tip orifice size, fan angle and pressure are given as a guide. Smaller fan angles should be used where the size of the work to be sprayed makes this appropriate. It may be found that slight variation in tip orifice size or pressure will provide optimum atomisation in some circumstances. In general, the operating pressure should be the lowest possible consistent with satisfactory atomisation.

Recommended Equipment:

Use a 56:1 or 68:1 Graco King or equivalent. Use 3/8" (9.53mm) ID fluid lines where lengths in excess of 3 metres are required. In-line gun or pump filters should not normally be used. Maximum length of fluid line should not exceed 60 metres.

For use on narrow web sections, the smallest tip recommended is a 21 thou (0.53mm) with a 60 mesh pump filter.

Brush

The material is suitable for brush application, but due to the nature of the material a ribbed appearance may result.

Application of more than one coat may be necessary to give equivalent dry film thickness of a single spray applied coat.

RECOMMENDED SYSTEMS

Primer

For in-shop application, use FIRETEX C69 Fast-Track Blast Primer. Several primers have been approved for use under FIRETEX FX1008. Please consult Sherwin-Williams for detailed information.

Topcoats

For certain dry, internal situations where the final colour/ appearance is not critical, then FIRETEX FX1008 may remain un-topcoated.

For externally exposed steelwork and severe internal environments Acrolon 7700 and Acrolon PUR Color Plus must be used as a topcoat. For other internal environments where a topcoat is required then FIRETEX M71V2 or Sher-Cryl M770 should be used.

In all instances for subsequent re-decoration, use FIRETEX M71V2, Sher-Cryl M770, Acrolon 7700 as appropriate.

ADDITIONAL NOTES

Maximum service temperature is 70°C. At temperatures greater than 40°C thermoplasticity may be observed..

Dry Film Thickness Measurement

All dft specifications quoted are mean values, measurements should be taken for I-Sections to the following recommendations:

Web – 2 per 100cm length

Flange – (upper, lower, inside and outside) – 1 per 100cm length

High dft's and/or reduced temperatures will extend the drying time and hence the period when dft measurement can be carried out accurately. For further information refer to Sherwin-Williams.

Maintenance

Small areas of mechanical damage can be repaired using FIRETEX M72, FX1008 or FX2008 as preferred.

Larger areas of mechanical damage should be repaired using FIRETEX FX1008 or FX2008 as preferred, applied by brush or spray.

All repairs should then have the original topcoat reinstated by brush or spray as required.

Numerical values quoted for physical data may vary slightly from batch to batch.

Maximum Certified Dry Film Thickness

For information/resources related to maximum certified dry film thicknesses, please contact Sherwin-Williams Technical Customer Service



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HEALTH & SAFETY

Consult Product Health and Safety Data Sheet for information on safe storage, handling and application of this product.

WARRANTY

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