Protective & Marine Coatings

FIRETEX® FX9502
EPOXY INTUMESCENT

PART A	B59W9502	WHITE
PART B	B59LV9502	BLUE ADDITIVE

Revised: June 10, 2025

PRODUCT INFORMATION

PRODUCT DESCRIPTION

FIRETEX FX9502 is an ASTM E119 certified, durable two-component intumescent epoxy coating that provides fire protection to commercial structural steel members. FIRETEX FX9502 is corrosion resistant, with a semi-smooth finish, that is suitable for both interior and exterior architectural exposed steel members. It may be finish coated to obtain desired color and gloss feature designs.

- Three hours fire protection on a wide range of beams and columns
- An exterior, durable intumescent - topcoat not required
- Outstanding impact and abrasion resistance - minimal damage and repairs
- High film build per coat properties
- Mesh free
- Superior application properties, suitable for on-site/off-site application
- Chemical resistant

PRODUCT CHARACTERISTICS

Color: Pale blue (white base/blue additive), no tinting allowed

Volume Solids: 100% (ASTM-D2697-91)

Mix Ratio: 2A:1B by volume (2.37A:1B by weight)

VOC:
Unreduced: 0 g/L ; 0.0 lb/gal, mixed
Reduced 3-5%: <100 g/L ; 0.83 lb/gal, mixed

Recommended Spreading Rate per coat:

	Plural Component Spray		Single Leg Spray*	
	Min.	Max.	Min.	Max.
Wet mils (mm)	**20** (0.5)	**275** (7)	**20** (0.5)	**200** (5)
Dry mils (mm)	**20** (0.5)	**275** (7)	**20** (0.5)	**200** (5)
~Coverage sq ft/gal (m^2/L)	**6** (0.1)	**80** (2)	**8** (0.2)	**80** (2)

*Thinned equal to or less than 3% by volume

Maximum sag tolerance with overlap typically 280.0 mils (7 mm) dry by plural component spray.

Consult your Sherwin-Williams Fire Protection Representative regarding the FIRETEX FX9502 Application Manual for all application methods.

Drying Schedule @ 200 mils / 5 mm:

	@ 41°F/5°C	@ 50°F/10°C	@ 73°F/23°C	@ 104°F/40°C
To touch:	20 hours	8 hours	4 hours	2 hours
To handle:	30 hours	20 hours	12 hours	2 hours
To recoat:	20 hours	8 hours	4 hours	2 hours

Drying time is temperature, humidity, solvent reduction, and film thickness dependent.

Pot Life: 45 minutes @ 73°F (23°C) ; 30 minutes @ 86°F (30°C)

Sweat-in-time: None

Shelf Life: 36 months

Flash Point: Above 220°F (104°C)

Reducer:
Above 80°F (27°C): Xylene, up to 5% by volume.
Below 80°F (27°C): 50/50 blend Xylene/MEK up to 5% by volume.

PRODUCT CHARACTERISTICS (CONT'D)

Clean Up*: Xylene, MEK ; for VOC Restricted Areas (≤25 g/L, or ≤3%): use High Solids Compliant Thinner #1 - Fast (R7K111)

*Other areas (>25 g/L, or >3%): use High Solids Compliant Thinner #1 - Fast (R7K111) or Xylene/MEK blend up to 5% by volume. Choose a solvent that is compliant in your area. Confirm compliance with state and local air quality rules before use.

RECOMMENDED USES

For use on exposed structural steel that requires an aesthetic finish. Suitable for use in interior and exterior up to C5 (ISO12944-2) environments.

- Hotels
- Public buildings
- Atriums
- Airports
- Warehouses
- Clean rooms
- Parking garages
- Educational buildings/gymnasiums
- Convention centers
- Bridges
- Transportation terminals
- Heavy duty manufacturing facilities

APPROVALS

- Certified to ASTM E119 and CAN/ULC-S101
- Intertek: SWC/IF 180-02 / 240-03 / 240-03
- UL 2431
- ASTM E84
- ICC-ES: AC523 number ESR 4767
- Suitable for use in USDA inspected facilities
- NSF Certified Environmental Product Declaration (EPD) available on Ecomedes

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Adhesion	ASTM D4541	>350 psi (2.5Mpa)
Compressive Strength	ASTM D695	>2,900 psi (20Mpa)
Durometer Hardness	ASTM D2240	Shore D >65
Flexural Strength	ASTM D790	>1,450 psi (10Mpa)
Izod Impact Strength	ASTM D256	>0.62 ft·lb/in^2 (1.3KJ/m^2)
Surface Burning	ASTM E84	Flame Spread Index 0 Smoke Developed Index 5

APPLICATION EQUIPMENT

Plural Component Spray
Consult your Sherwin-Williams Fire Protection Representative regarding the FIRETEX FX9502 Application Manual. Production application rate is optimum using plural PFP equipment, properly configured following the guidelines set in the application manual. Equipment must meet the parameters defined in the application manual and be approved by Sherwin-Williams. Such equipment includes, but not limited to:
- Wiwa Duomix 333 PFP
- Graco XM PFP Plural-Component Sprayer

Single-Leg Airless Spray
FIRETEX FX9502 is suitable to apply using single-leg airless (68:1 or greater) equipped with ram feed system. Sherwin-Williams approved equipment include:
- Wiwa Herkules 75:1
- Graco Xtreme PFP Sprayer 70:1

Trowel
FIRETEX FX9502 may be applied using various design trowels deemed to be appropriate for the structure configuration.

continued on back

Protective & Marine Coatings

FIRETEX® FX9502
EPOXY INTUMESCENT

PART A	B59W9502	WHITE
PART B	B59LV9502	BLUE ADDITIVE

Revised: June 10, 2025

PRODUCT INFORMATION

RECOMMENDED SYSTEMS

FIRETEX FX9502 can only be used with approved primers and topcoats. Please contact your Sherwin-Williams representative for specific options.

FIRETEX FX9502 may be applied direct to metal, without a primer, when prepared according to an SSPC-SP6/NACE 3. Primers must be approved as per the FIRETEX FX9502 Primer Guide. Contact your Sherwin-Williams representative for further information.

Where topcoats are specified on a project, these must be approved as per the FIRETEX FX9502 Topcoat Guide. Subsequent maintenance and repaint must also be done with an approved topcoat. Contact your Sherwin-Williams representative for further information.

RECOMMENDED THICKNESS

Contact your Sherwin-Williams representative for material take off estimates and FIRETEX FX9502 loading/DFT requirements.

ADDITIONAL NOTES

Overcoating should take place within seven days of application of the previous coat of FIRETEX FX9502. If seven days is exceeded, mechanical abrading of the FIRETEX surface is required to ensure proper adhesion.

The specified DFT of FIRETEX FX9502 must be verified prior to applying a finish coat.

Drying times, recoat windows, curing times and pot life should be considered as a guide only.

The curing reaction of epoxies begins immediately when the two components are mixed, and since the reaction is dependent on temperature, the curing time and pot life will be approximately halved by a 20°F (10°C) increase in temperature and doubled by a 20°F (10°C) decrease in temperature.

Alternative primers are approved: consult your Sherwin-Williams Fire Protection representative for details.

There may be slight variations in color from batch to batch. Any variations in color, when using plural component spray, may indicate a fault with the spray equipment and this should be checked to ensure the correct ratio of base and additive are being delivered.

FIRETEX FX9502 wets out very easily. Therefore, when reduction is necessary, reducing 3% by volume is optimum. In addition, minimal or no solvent usage during finishing is recommended.

FIRETEX FX9502 is highly reinforced. Rollers that are excessively wet with solvent may reveal the fiber reinforcement, producing areas of gray shading. This is a cosmetic matter and has no ramifications on performance or longevity. By allowing sufficient time for the applied material to tack up, dry finish rolling will reduce this effect.

SAFETY PRECAUTIONS

Refer to the SDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Minimum recommended surface preparation:

Carbon Steel:	SSPC-SP6/NACE 3 (Sa 2), 2-3 mils (50-75 microns) angular profile*
Galvanized Steel:	AMPP Guide 21550-2025, 2-3 mils (50-75 microns) angular profile*

*Peak count density, per SSPC-PA 17, of 90-120 peaks per linear inch (35-50 peaks per linear centimeter) required.

APPLICATION CONDITIONS

FIRETEX FX9502 must be applied in a dry environment where atmospheric conditions can be controlled. It must not be exposed to condensation, damp, or wet conditions during or after application until fully cured.

Temperature:	41°F (5°C) minimum* (air, surface, and material)
Relative humidity:	85% maximum**

*At application temperatures below 60°F/15°C, drying and curing times will be extended.

**Relative humidity must be <85% to ensure proper film formation.

If it is desired to overcoat outside the times stated on the data sheet, please seek advice of Sherwin-Williams.

ORDERING INFORMATION

A two component material supplied in separate containers to be mixed prior to use.

Large Kits (15 gallons / 57L):
- 2 pails of Part A to 1 pail of Part B
  Part A: 5 gallons / 19L
  Part B: 5 gallons / 19L

Large Kits (~11.1 gallons / 42L):
- 2 pails of Part A to 1 pail of Part B
  Part A: 3.69 gallons / 14L
  Part B: 3.69 gallons / 14L

Small Kits (~3.7 gallons / 14L):
- 1 pail of Part A to 1 pail of Part B
  Part A: 2.46 gallons / 9.3L
  Part B: 1.23 gallons / 4.7L

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.