

Graco XM PFP Plural-Component Sprayer

Single-Leg Airless Spray

FIRETEX M90/03 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 M90/03 may be applied using various design trowels deemed to be appropriate for the structure configuration.

Shelf Life:

Reducer:

Clean Up*:

before use

Flash Point:

Below 80°F (27°C):

36 months

Above 80°F (27°C): Xylene, up to 5% by volume.

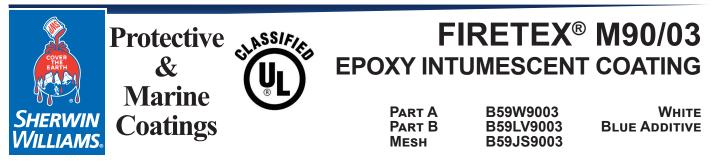
Above 220°F (104°C)

*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

50/50 blend Xylene/MEK up to 5% by volume.

Xylene, MEK ; for VOC Restricted Areas (<25 g/L, or <3%): use High Solids

Compliant Thinner #1 - Fast (R7K111)



Revised: February 18, 2025

PRODUCT INFORMATION

Recommended Systems

Dry Film Thickness / ct. <u>Mils</u> (Microns)

- 1 ct. 3.0-5.0 (75 - 125)Macropoxy 4600 FIRETEX M90/03 - dft as per requirement of project 1 ct.
- (50-100) 2.0-4.0 1 ct. Acrolon 7300

The systems listed above are representative of the product's use, other systems may be appropriate.

Additional Notes

Overcoating should take place within seven days of application of the previous coat of FIRETEX M90/03. If seven days is exceeded, mechanical abrading of the FIRETEX surface is required to ensure proper adhesion.

The specified DFT of FIRETEX M90/03 must be verified prior to applying the 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.

Consult your Sherwin-Williams Fire Protection Representative regarding FIRETEX system solutions for elevated temperatures, cryogenic spill protection and arctic-like exposures (TAD0040).

For steel that is exposed to continuous heat, either from the substrate and/ or from radiant heat, in the range between 248°F (120°C) and 302°F (150°C), FIRETEX M89/02 Syntactic Epoxy Insulant Coating must be used in conjunction with FIRETEX M90/03. Consult your Sherwin-Williams Fire Protection Representative for complete system.

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 M90/03 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 M90/03 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.

Applied Density is dependant on many variables such as temperature, test method and application method and as such will always fall within a range.

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.

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.

FIRETEX M90/03 may be applied directly to carbon steel prepared according to SSPC-SP10 with a minimal profile of 2-3 mils (50-75 microns). When project scheduling, ambient condition, and or specification requires, the use of a primer shall be specified.

Minimum recommended surface preparation:

Carbon Steel: Galvanized Steel: SSPC-SP10 (Sa 2.5), 2-3 mils (50-75 microns) angular profile* 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

Temperature: Air: Surface:

50°F (10°C) minimum, 131°F (55°C) maximum 167°F (75°C) maximum At least 5°F (3°C) above dew point

Relative humidity:

85% maximum In order to achieve optimum water and chemical resistance, temper-ature needs to be maintained above 50°F (10°C) during the curing.

ORDERING INFORMATION

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

Small Kits – 44lbs (~3.7 USGal); 20kg (14l) 1 pail Part A to 1 pail Part B Part A: ~31lbs (~2.4 USGal); 14kg (9.4l); 5 USGal Pail Part B: ~13lbs (~1.2 USGal); 6kg (4.7l); 3 USGal Pail

Large Kits - 132lbs (~11 USGal); 60kg (42l) 2 pails Part A to 1 pail Part B Part A: ~46lbs (~3.7 USGal); 21kg (14l); 5 USGal Pail Part B: ~40lbs (~3.7 USGal); 18kg (14l); 5 USGal Pail

FIRETEX H240 Mesh Large Roll: ~164' x ~4' = 688ft²; 50m x 1.27m = 64m²

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.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufactur-ing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defec-tive 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 MER-CHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.