



## HIGH-PERFORMANCE FIRE AND CORROSION PROTECTION

Protecting steel structures from the detrimental impacts of fire and corrosion within refineries and chemical plants is critical to maintaining the integrity of structures and equipment, protecting personnel, and preventing harmful environmental impacts. FIRETEX M90/03 Epoxy Intumescent Coating provides durable fire and high-performance corrosion protection with minimal to no maintenance for the design life of the asset. FIRETEX M90/03 is a highly reinforced, anticorrosive, borate-free, 100% solids epoxy designed to provide up to four hours of hydrocarbon pool fire thermal protection to carbon steel and galvanized steel.

Sherwin-Williams FIRETEX coatings have served in the oil and gas industry for over three decades, protecting equipment and structural steel members within refineries, chemical processing plants, LNG terminals, and offshore platforms. FIRETEX M90/03 delivers advancements, such as lower thickness requirements, ease of application and a mesh-free option for up to two hours. It is recommended for both maintenance projects and for offsite projects applied in shops and modular yards.

### BENEFITS



#### Tested and Certified Protection

- UL 1709 certified up to four hours
- NFPA 290 hose stream testing
- ISO 12944 CX certification
- ISO 20088-1 and 20088-3 cryogenic testing
- Blast over pressure tested up to four bar
- UL 2431, 1-A heavy industrial outdoor



#### Application Time Savings

- Reduces time spent coating assets to accelerate applications
- Quick overcoating times
- Excellent sag resistance and a high-film build with minimal finishing requirements
- Pliable, easy-to-install mesh (when required)



#### Cost Effectiveness

- Low thickness requirements
- Minimizes the transportation cost of materials after application as a result of the epoxy's low applied density
- Application versatility to be applied in shops, modular yards or onsite
- Minimal to no maintenance over the design life of the asset.



#### Extended Life of Assets

- Protects assets from both fire and corrosion through proven technology in both laboratory testing and years of exposure while in service
- Lowest lifecycle cost option
- Highly durable against chemical attack, mechanical damage, and weathering, providing a low to no maintenance protection system for assets

FROM SPEC TO PROTECT

[protective.sherwin.com](http://protective.sherwin.com)

### RECOMMENDED USES

- Refineries
- Chemical plants
- LNG terminals
- Columns, beams and bracing
- Pipe racks
- Support structures: skirts, legs and saddles
- Vessels, tanks, spheres and spheroids
- Marine docks
- Modular units

### HIGHLIGHTS

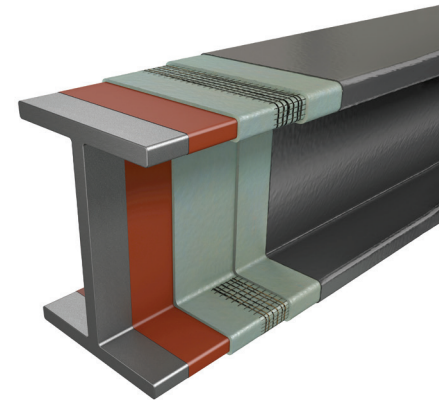
- Passive Fire Protection (PFP) – Epoxy Intumescent Coating
- In compliance with API 2218
- UL 1709 mesh-free certified up to two hours of protection
- UL 1709 certified for up to four hours of protection
- UL 2431, 1-A heavy industrial outdoor
- Tested to ISO 20088 for cryogenic spill exposures
- Trowel, single-leg airless or plural component spray application
- Suitable for shop, modular yard and onsite application
- Dry-heat resistance up to 248°F (120°C)
- Excellent edge retention
- Low thickness requirements, expediting the application process
- Minimal weight, saving on construction and transportation costs
- Easy-to-Install, deformation-resistant mesh (when required)
- Industry-leading technical and engineering support
- Local support and distribution anywhere in North America

### THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams Protective & Marine delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe. Our broad portfolio of high-performance coatings and systems that excel at combating corrosion helps customers achieve smarter, time-tested asset protection. We serve a wide array of markets across our rapidly growing international distribution footprint, including Energy, Water & Wastewater, Bridge & Highway, Steel Fabrication, Flooring, Manufacturing & Processing, Fire Protection, Marine, Rail and Power.

### FIRETEX M90/03 SYSTEM\*

\*Mesh is required for fire ratings of 2 ½ hours and longer



### TECHNICAL EXPERTISE – THE KEY TO A SUCCESSFUL COATINGS PROCESS

Mitigating potential fire damage to steel structures requires more than choosing the right fire protective coating. Sherwin-Williams offers our customers access to experts to help optimize the coating process.

#### FIRETEX<sup>®</sup> Fire Protection Experts

- Specification development
- Field technical service support
- Application training
- Site survey/evaluation assistance

#### Fire Protection Engineering and Estimation Team (FEET)

- Engineers with structural engineering experience
- Early concept recommendations
- Customized fire protection thickness calculations
- Fire engineering design

### UNMATCHED DISTRIBUTION AND SERVICE

#### Products You Need Right Now

Get the products you need with same- or next-day delivery and gain access to local inventory at more than 5,000 company-owned distribution points in North America.

#### Technical Service for Optimal Applications

Our technical service team brings extensive manufacturer equipment training to ensure proficiency throughout the entire coatings process.