



FIRETEX[®] M90, M90/02 & M93/02

Water based intumescent coatings designed for internal environments.



World class epoxy fire protection solutions.

With a **solid 20 year track record** the FIRETEX[®] **M90 series** is blast resistant and formulated to protect structures from **hydrocarbon pool fires, jet fires and cryogenic spills**. The range of epoxy resin based intumescent and insulating coatings cover an industry leading range of steel sizes and **offer improved char strength and greatly reduced dry film thickness (DFT)**.

Whether working independently or as part of a composite system the products in this range can be **specified and tailored to meet both offshore and onshore requirements**. When FIRETEX[®] is used in a duplex system with our thermal barrier products, **assets are protected from cryogenic spill, hydrocarbon pool and jet fires** as well as from corrosion that occurs under other types of insulation and fire protection.



Durable, solvent free & fast curing

- Highly Durable.
 - Fully compliant with NORSOK M501 System 5A, with pull-off adhesion values in excess of 3Mpa when tested to ISO 20340
 - Tested against the affects of salt water immersion*.
- Solvent free Low VOC.
 - Time saving.
- Fast Curing.
 - Speeds up project completion.
 - Realise genuine cost savings.



*Steel members coated with the FIRETEX[®] M90 series system were immersed in salt water for 15 years, before being tested to the hydrocarbon fire curve, with no loss of fire resistance.

Up to four hours protection

- Designed for hydrocarbon fire protection.
 - Solvent free.
 - Long lasting durability - provides a corrosion resistant protective coating for the design life of the asset.
 - Offers protection for vessels and tanks against both fire and cryogenic spill.
 - Tested for jet fire situations
- Fully tested for your reassurance.
 - BS476 Part 20 and 21 Appendix D – Hydrocarbon Pool Fire testing.
 - ISO22899-1, UL1709, Type approval under Lloyds register, Det Norske, Veritas and American Bureau of shipping.



www.sherwin-williams.com/protectiveEMEA

Protective & Marine Coatings
Europe, Middle East & Africa



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Water based intumescent coatings designed for internal environments.



■ FIRETEX[®] M90.

Durable, epoxy fire protection products that are solvent free and fast curing, with fire protection for up to four hours on structural steel, decks and bulk heads.

■ FIRETEX[®] M90/02.

Is an Epoxy resin based intumescent used on structures that require passive fire protection from hydrocarbon pool and jet fires. It also has blast resistance. With low spray applied density, reduced film build requirements and high performance properties. Highly recommended for onshore and offshore structures.

■ FIRETEX[®] M93/02.

A highly durable, cost effective solution for hydrocarbon pool fire protection. It is designed for the onshore/downstream UL1709 market. M93/02 offers ease and speed of application, superior durability substrate corrosion protection characteristics, lower maintenance requirements and costs. It is ideal for in-shop application.

Product overview

Criteria	FIRETEX [®] Product			
	Thermal insulation	Passive fire protection		
	M89/02	M90	M90/02	M93/02
100% Solids	•	•	•	•
Epoxy intumescent	-	•	•	•
Epoxy syntactic insulation	•	-	-	-
Durability: Pre-qualified to System 5a under NORSOK M-501	•	•	•	•
Durability: Tested and approved/listed under UL1709	-	•	•	•
Fire testing: Pool fire (BS476-20&21, IS0834-3)	-	Up to 2 hrs	Up to 3½ hrs	-
Fire testing: Jet fire (ISO22899-1)	Up to 2 hours	-	Up to 3½ hrs	-
Fire Protection: Listed under UL1709	-	Up to 2½ hrs	Up to 4 hrs	Up to 2 hrs
Fire protection: Type approval under Lloyd's Register	-	Up to 2 hrs	Up to 3½ hrs	-
Fire Protection: Type approval under Det Norske Veritas	-	Up to 2 hrs	Up to 3½ hrs	-
Fire Protection: Type approval under American Bureau of Shipping	-	Up to 2 hrs	Up to 3½ hrs	-
Blast resistance	Tested at 2 bar	Tested at 4 bar	Tested at 2 bar	Tested at 2 bar
Hose stream testing under NFPA 58-Appendix H	-	-	Pass	-
Cryogenic spill protection	Up to 2 hrs	Up to 2 hrs	Up to 2 hrs	Up to 2 hrs
Thermal insulation	-75 to 150°C	-	-	-

TM = is a registered trademark in one or more countries.



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Primers and top coats

Sherwin-Williams coatings have been designed for optimum use in conjunction with our specially formulated primers and top coats. See the chart for Sherwin-Williams certified protection systems.

Primers

The key purpose of a primer is to protect blast prepared steel substrates from decay and in the event of mechanical damage to the coating, a primer will stop the spread of corrosion.

Top coats

FIRETEX® epoxy intumescent and insulation products are highly durable, tested to the most demanding protocols and proven in the harshest environments know. Like all epoxy coatings the surface can be affected by UV radiation in sunlight leading to chalking and dirt retention.

Sherwin-Williams would always recommend the application of a high performance top coat to provide UV protection.

The Sherwin-Williams Company

With over 150 years experience in the coatings industry we understand how critical it is that your investment gives you a quality, long term fire protection system, which performs in demanding environments.

Whether you specify FIRETEX® alone or in conjunction with Sherwin-Williams exceptional primers and topcoats, you can be assured that you are selecting a passive fire protection system that has been researched, developed and tested to the highest international standards.

Speak to your Sherwin-Williams representative to get an estimate on your next project using FIRETEX® intumescent materials.

To learn more, contact us

Europe, Middle East & Africa: +44 (0)1204 521771

North America: +1 800 524 5979

Asia: +8 621 5158 7798

sales.uk@sherwin.com

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M93/02
Epoxy resin based intumescent used on structures that require passive fire protection from hydrocarbon pool fires.

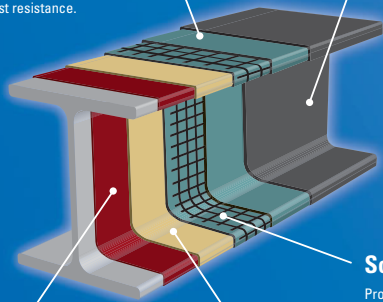
M90/02
Epoxy resin based intumescent used on structures that require passive fire protection from hydrocarbon pool and jet fires. It also has blast resistance.

Topcoats
Acrolon™ 1850
Acrolon™ C137V2.

Scrim
Provides mechanical reinforcement of the char.

Primers
Macropoxy™ C425V2
Macropoxy™ L425
Macropoxy™ L574
Please see a Sherwin-Williams representative for the full range of primers.

M89/02
Syntactic epoxy foam used as a thermal insulator and for cryogenic spill protection. It also allows intumescent products to be applied to surfaces operating at >80°C.



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