

ZerioTec® - Fog FV

Technical Data Sheet

Product Description

ZerioTec® - Fog FV is a ready-to-use, water-based VCI rust preventative designed to protect metal surfaces across a wide range of operating temperatures. Easy to apply, it provides effective corrosion protection in humid or moisture-prone environments. For colder climates or freezing conditions, a winterized version is available to ensure reliable, year-round performance‡.

‡Compatible with packaging, the product lasts up to 1 year in plain poly packaging and up to 5 years in Zerust® VCI packaging or hermetically sealed spaces.

Typical Applications

- Wide Temperature Operations: Suitable for applications in operating temperatures ranging from 5–49°C (41–120°F).
- Cold Climate Applications: Winterized version ensures consistent performance in freezing temperature conditions.
- Temporary Rust Prevention Coating: Provides short-term protection for metal surfaces and can be easily removed as needed.
- Pre-Paint Surface Preparation: Protects metal surfaces prior to painting, with easy removal using Zerust® AxxaWash™ products.
- Spray or Fog Applications: Ideal for enclosed systems where VCI fogging is required for effective corrosion protection.

Key Advantages

Ready-to-Use: Convenient water-based formula requires no diluting, simplifying application.

Reliable Rust Prevention: Provides effective corrosion protection across a broad range of operating temperatures.

Cold Weather Compatibility: Winterized version available for low-freezing temperature conditions.

Ease of Removal: Can be easily removed using compatible Zerust® AxxaWash™ products.

Versatile Application Methods: Suitable for spray or fogging applications in enclosed systems.

Environmentally Friendly: Water-based formulation reduces environmental impact compared to solvent-based alternatives.

Operational Safety: Designed to prevent corrosion without compromising ease of maintenance or subsequent painting processes.

Operating Summary

- Ready-to-use water-based VCI rust preventative liquid.
- Typical operating temperature: 5–49°C (41–120°F) in most operations.
- ZerioTec® - Fog FV is a water-based product and will freeze at temperature/environment conditions/substrate surface temperature when water freezes. Do not apply the product when there is a chance of water freezing. For low-freezing temperature applications, please contact a Zerust representative for alternatives.

Application Guidelines and Removal

ZerioTec® - Fog FV is designed to remain on metal surfaces as a rust-preventative coating but can be easily removed using a compatible Zerust® AxxaWash™ product. For specific removal guidance tailored to specific operation and conditions, contact a Zerust® representative. Note: Remove the product before painting.

For spray or fog applications, do not reuse the product, even in enclosed circulating systems, as the active VCI component diminishes when exposed to air.

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product information



Typical Properties

Properties*	Details
Appearance	Dark amber liquid
Substrate	Ferrous only. Do not use on aluminum, zinc, galvanized steel, or yellow metals.
Surface Finish	Thin coating
VOC content EPA Method 24 (concentrate)	179g/L (1.49 lb/gal)
Freeze Point	-10°C (14°F)
pH	8 - 9
Vapor Inhibiting Ability (VIA)	Pass (NACE TM0208)

* Typical values are not meant to be a specification.

This data sheet provides general guidelines for operation, application, and removal. Please contact a Zerust® representative for more specific recommendations on specific operation and conditions.

Availability

Contact a Zerust® representative for ordering information.

Product Number	Unit of Measure**
350-F-00207PL	19 L (5-gal) pail
350-F-00207DR	208 L (55-gal) drum

**Product sold in US customary units. Metric units approximate.

Storage

- Store in original packaging at 0–29°C (32–85°F), away from sunlight; thaw and mix if frozen, and reseal after use for up to 2 years of shelf life.

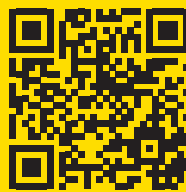
‡ DECLARATION

Corrosion protection claims are based on Northern Technologies International Corporation (NTIC) internal laboratory testing performed under controlled parameters on contaminate-free substrates. Real-world application corrosion protection duration on different substrates will vary and depends on factors such as, but not limited to, the application or use, environmental/ storage conditions, surface cleanliness, type of substrates, and coating thickness (where applicable). The use of the term "Up to" in reference to time is defined as any time duration from zero up to a specified time frame, but in no event beyond the specified time frame. The use of the term "for years" is based on NTIC's experience with its products but is in no way guaranteed. The use of the term "Up to" in reference to volume is defined as any volume from zero up to a specified volume but in no event beyond the specified volume of protection. It is the customer's/user's obligation to evaluate product performance, corrosion protection duration, safety, and suitability for intended use within the scope advised in the data sheet and to comply with all applicable laws and regulations.

LIMITED WARRANTY/DISCLAIMER Warranty is limited to the replacement of a product that fails to meet specifications. For full warranty and disclaimer information, visit www.zerust.com/warranty.

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WORLDWIDE CORROSION SOLUTIONS

With over 50 years of experience, Zerust® Oil & Gas, a division of Northern Technologies International Corporation (NTIC), creates unique inhibitor-based corrosion prevention solutions to serve terminals, pipelines, exploration and production, equipment suppliers, transportation sectors, and more.

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