

Zerust[®] Axxatec[™] 87-M VCI RP

Zerust[®]/Excor[®] Axxatec[™] 87-M is an aqueous-based rust preventative liquid designed for fogging and spraying applications that protect ferrous metals via contact inhibitors and proven Zerust[®] Vapor Corrosion Inhibitor (VCI) technology. It is compatible with other metals such as aluminum, copper, brass, galvanized and nickel alloys, etc. Zerust[®] VCI molecules migrate to provide protection on hard to reach void spaces of tanks, packages, enclosures and to be sealed while the product is wet. The rust preventative forms a thin coating that is safe for use on most painted surfaces.



Use Axxatec[™] 87-M for corrosion protection during assembly, shipping and storage. The product comes ready to use and can be applied by fogging or pressurized spray. It is ideal for fogging into complex machine assemblies or packages that contain components with voids and chambers. To gain the benefit of the VCI, use in a tightly sealed foggable enclosure or void. The product provides one year protection in plain packaging and up to 5 years in hermetically sealed spaces or Zerust[®]/Excor[®] VCI packaging.

Benefits

- Effective water-based RP with VCI
- Ready to use, easy to apply
- Leaves a clear coating
- Foggable VCI protects hard to reach surfaces in crevices and voids
- May be used with multiple metal types

Application Type

- Storage
- Mothballing and Long-term storage
- Shipping
- May be used with poly packaging

Storage

Store in tightly closed container to preserve VCI. Do not freeze. May separate when frozen. If frozen, allow to thaw and mix thoroughly. Store in a cool (32 to 85°F / 0 to 30°C), dry place and away from sunlight in original packaging for up to 2 years from the date of shipment.

Disposal

Collect waste when removing. Dispose of in accordance with local, national and international regulations. Product in unopened original container prior to use is non-hazardous waste in the United States according to 40 CFR 261 (no components listed on F, K, P or U lists; not ignitable, not corrosive, not reactive and not toxic). Avoid release into the environment.

Availability

Zerust[®]/Excor[®] Axxatec[™] 87-M is sold as a ready-to-use liquid product.

Product	Part Number	Quantity
Axxatec [™] 87-M	350-M-00029PL	5 Gal (19 L)
	350-M-00029DR	55 Gal (208 L)

Surface Preparation

For best practice, parts should be dry, clean, free of process fluid residues, fluid contaminants, particulate contaminants, finger prints, and other oils/solvents prior to application.

Recommended application temperature: 41 to 120°F (5 to 49°C). For low freezing temperature application, please refer to Axxatec™ 87-MW3 Winterized product.

Application Instructions

Fog Application

Axxatec™ 87-M can be fogged/sprayed into a void space with the intention of trapping the liquid and vapor in that void space. Any high-volume low pressure or high-volume high pressure spraying system can be used to spray Axxatec™ 87-M, i.e. battery operated airless sprayer, etc. The suggested loading is 200 mL of Axxatec™ 87-M for every cubic meter of void space. This quantity will provide good coverage and ample VCI to protect any areas not directly exposed to spray. Once a void has been filled seal the space as thoroughly as possible. This will ensure that the VCI has the best possible chance of protection. Providing a consistent amount of the product inside a void is recommended. For parts with large aspect ratio, consult your Zerust®/Excor® technical representative.

Removal

Axxatec™ 87-M can be removed with the use of an alkaline cleaning agent.

Precautions

- Shake / stir product container before use. Inspect that the product is clear and homogenous before applying.
- Axxatec™ 87-M is a water based product and will freeze at temperature / environment conditions / substrate surface temperature when water freezes. Do not apply product when there is a chance of water freezing. Recommended application temperature: 41 to 120°F (5 to 49°C). For low freezing temperature application, please refer to Axxatec™ 87-MW3 Winterized product.
- Do not reuse product – such as in a circulating spray booth, even when enclosed, as the active VCI component of the product depletes when exposed to air.
- Product has propensity to foam.
- Do not use for dipping / immersion dip application with open sump / tank.
- Do not apply product onto red-hot heated surfaces – such as on surfaces immediately after welding.
- Do not dry surfaces coated with product. Seal enclosure immediately after application.
- Reseal unused, unexposed product in original container immediately after use.
- Do not use on zinc or galvanized steel. Test before use on yellow metals.
- Test before use on painted surfaces.
- Test before use on rubber seals, and plastics.
- Remove before painting. Axxatec™ 87-M can be removed with the use of an alkaline cleaning agent.
- Do not place treated metals in direct contact with cardboard packaging or wood.
- Metal may discolor or darken in contact with plastics under very aggressive conditions.

Technical Data

Zerust®	Axxatec™ 87-M		
Product Info	Ready to use water-based VCI rust preventative liquid.		
Appearance	Amber liquid		
Surface Finish	Thin coating		
Protected Substrates	Ferrous protection only. Multimetal compatible. Do not use on zinc or galvanized steel. Test before use on yellow metals.		
Application	Apply via spray, or fogging. Contact technical representative for other application methods. Application temperature 41 to 120°F (5 to 49°C) Dosage 0.2 fl oz/ft ³ (195 mL/1 m ³)		
Protection Duration	Plain Poly Packaging	1 year	
	VCI Packaging/hermetically sealed	Up to 5 years	
	Humidity Chamber ASTM D1735	Exceeds 500 hrs	
	VCI Test (NACE TM0208-2013)	Pass	
Volatile Content	<25%		
Flash point	>212°F (100°C)		
pH	8 - 9		
Viscosity	Water-like		
Density at 25°C	0.95-1.05 g/ml		

DECLARATION

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