ZERUST® EXCOR®

AxxaCoat™ 93AM

Technical Data Sheet

ZERUST®/EXCOR® AxxaCoat™ 93AM is a sprayable rust preventative coating uniquely engineered to safeguard metal components and structures during prolonged indoor and outdoor storage, demanding international shipping, and as a protective undercoating for vehicles, trailers, heavy equipment, and other metal assets exposed to harsh operating environments where a robust yet removable coating is crucial. Use AxxaCoat™ 93AM to safely protect machinery, equipment, vehicles, undercarriages, other large metal assets, and more for up to 2 years‡ when stored outdoors or for many years‡ when stored indoors. For large surface applications that require protection, such as storage tank walls, pipelines, building infrastructures, bridges, etc., ZERUST® AxxaCoat™ 93B HFS is recommended.

Once applied and fully cured, AxxaCoat™ 93AM forms a slightly tacky, transparent amber-hued film, allowing users to visually inspect the underlying surface without disturbing the protective coating. Should the need arise to remove the coating, use mineral spirits or kerosene. For an optimal corrosion management solution tailored to your metal assets, we encourage consulting with a ZERUST®/EXCOR® representative.

For over 50 years, beginning with the invention of Vapor Corrosion Inhibiting (VCI) film packaging, ZERUST® has led the market in quality corrosion solution products. We are dedicated to providing expert corrosion management services and broadening the range of corrosion solutions for our customers. In addition, ZERUST® users have access to on-site support from ZERUST®/EXCOR® representatives in more than 70 countries. As a result, our customers have peace of mind when they choose ZERUST® for corrosion control management.

Typical Properties

Appearance	Light amber thixotropic mixture cures to form a slightly tacky, transparent amber-hued film.
Substrates	Multimetal protection
Coverage*	178 – 400 ft^2 (17 – 37 m^2) per gal
Wet film thickness (WFT)	Apply 4 – 9 mil (102 – 229 µm)
Dry film thickness	2 – 4 mil (50 – 102 µm) when fully cured
Dry to touch	6 – 8 hours @ 77°F (25°C)
Cure time	3 – 7 days @ 77°F (25°C), or 1 – 2 hours @ 140°F (60°C) & <75% RH
VOC content EPA Method 24	3.90 lb/gal (467 g/L)
Flashpoint ASTM D93	145°F (63°C)
Density	0.89 – 0.95 g/cm^3

*The theoretical coverage estimates, based on the stated wet film thicknesses (WFT), should only be used as a guide. These estimates were generated based on internal lab measurements of product coating on flat, smooth 1010 steel stock. Actual coverage data will vary in actual use based on the method of application, type of equipment used, part geometry, surface roughness, drain-off time, drag-out rate, evaporative loss, etc.

This data sheet provides general guidelines for operation, application, and removal. Please contact your ZERUST®/EXCOR® account representative for more specific recommendations on your particular operation and conditions.

Operating Summary

- Ready-to-use solvent cutback, general-purpose rust preventive compound.
- Typical application temperature: 50 – 110°F (10 – 43°C) in most operations.
- See Safety Data Sheet (SDS) section 7 for safe handling recommendations.

Application Technologies

- Can be used in spray, brush, or immersion processes.
- Do not dilute product unless instructed by ZERUST®/EXCOR® Account Representative.

Product Removal

- AxxaCoat™ 93AM can be removed from the metal surface with the use of mineral spirits or kerosene.
- Clean spray applicator equipment immediately after use with mineral spirits or kerosene. Do not wait for product to dry in spray equipment.

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product information and photos

Availability

ZERUST®/EXCOR® AxxaCoat™ 93AM is sold as a ready-to-use liquid product. Contact your ZERUST®/EXCOR® representative for ordering information.

Part Number	Quantity*
350-M-00099PL	5 Gal (19 L) Pail
350-M-00099DR	55 Gal (208 L) Drum

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

Protection Info‡

Indoor (unpackaged)‡	For many years‡
Outdoor‡	Up to 2 years‡
Humidity ASTM D1748	Up to 1,320 hours*
Salt spray ASTM B117	Up to 1,000 hours*
UV resistance ASTM G154-C7	Up to 1,500 hours*
Compatible with packaging	Check before use

*ASTM D1748, B117, and G154-C7 data are based on 2 mil dry film thickness (DFT) coating tested on 1010 Steel panels with 0.5 – 1.65 micron Ra roughness.

Storage

- Store in a cool, dry place and away from sunlight in the original packaging.
- Optimal storage temperature is 50 – 90°F (10 – 32°C) for up to 2 years from the date of shipment.
- If the product freezes, bring it to room temperature and mix well.
- Reseal or close the container cap after each use. The product will dry and thicken in an open container.

Disposal

- Collect waste when removing.
- Dispose of in accordance with local, national, and international regulations.

Precautions

- **Mix the product very well before decanting or using.**
- Do not dilute the product unless directed by your ZERUST®/EXCOR® account representative.
- This is NOT a lubricant. Do not use in place of oils or grease where lubrication, low torque, or low friction surfaces are required.
- Apply in a well-ventilated area to clean and dry metals.
- Remains tacky when coated parts are stored at >75% RH indoors.
- AxxaCoat™ 93AM does not prevent solar radiation from reaching under the coated substrate surfaces. AxxaCoat™ 93AM coating may turn darker or hazy over prolonged exposure to sunlight.
- Test on painted surfaces before use.
- Avoid placing metal surfaces in direct contact with wood or cardboard (sources of moisture and acid).
- Avoid open flame or ignition sources during the application or near partially dry coating.
- Wear personal protective equipment as stipulated in Safety Data Sheet (SDS).
- Refer to SDS for more safety information.

‡ 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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