



ZERUST
INTEGRITY SOLUTIONS®

ZERUST® Axxanol™ Z-Maxx Series

Technical Data Sheet

Product Description

ZERUST® Axxanol™ Z-Maxx Series consists of two products, Axxanol™ Z-Maxx and Z-Maxx LV. Z-Maxx is a thick NLGI 2 grease and is also offered as a lower-viscosity (LV) NLGI 0 grease designed for improved spreadability and light lubrication of complex geometries.

Both products are ready-to-use, heavy-duty rust preventive greases formulated to provide long-term corrosion protection and temporary lubrication for carbon steel and multi-metal assets. They form a translucent, persistent protective film that shields metal surfaces from moisture, oxygen, and aggressive contaminants in harsh industrial, marine, and coastal environments.

When used in combination with ZERUST® Vapor Corrosion Inhibitor (VCI) packaging and enclosure solutions, Axxanol™ Z-Maxx products provide extended protection for equipment and components during storage, layup, mothballing, and transportation, including offshore and overseas shipment.

Typical Applications

- Valves, flanges, and bolting during layup and outages
- Piping, spools, and flowlines in storage or transit
- Pumps, compressors, and rotating equipment
- Structural steel and modules in coastal or offshore environments
- Machined surfaces and spare parts in long-term storage
- Assets packaged with ZERUST® VCI for export or ocean freight

Key Advantages

- Heavy-duty corrosion protection with light EP lubrication
- Available in NLGI 2 and NLGI 0 for standard and high-spread applications
- Forms a durable, translucent protective film
- Effective in high humidity, salt air, and outdoor exposure
- Compatible with ZERUST® VCI systems for extended protection
- Easily removable with AxxaWash™ or standard cleaners

Application Guidelines and Removal*

Axxanol Z-Maxx and Z-Maxx LV are supplied ready for use and may be applied by brushing to clean, dry metal surfaces. Typical application temperatures range from 13 to 176°F (-11 to 80°C). For best results, ensure surfaces are free of dirt, moisture, and existing corrosion products prior to application.

For brush application, use natural bristle brushes and avoid contaminating the original container. Decant only the amount required for immediate use.

For extended preservation, coated assets should be enclosed in ZERUST® VCI films, wraps, or storage systems to provide a combined contact and vapor-phase corrosion protection system.

Removal prior to commissioning, inspection, or further processing can be accomplished using compatible ZERUST® AxxaWash™ aqueous cleaners, commercial alkaline cleaners, or suitable solvent cleaners.

*Consult a ZERUST® representative to discuss specific needs.

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product information



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Typical Properties

Properties**	Z-Maxx	Z-Maxx LV
Appearance	Translucent grease film	Translucent grease film
Substrate	Ferrous and common non-ferrous metals (multi-metal systems)	Ferrous and common non-ferrous metals (multi-metal systems)
Grease Grade	NLGI 2	NLGI 0
Coverage (WFT 5 mil)	321 ft ² /gal (30 m ² /gal)	321 ft ² /gal (30 m ² /gal)
VOC Content (CARB / EPA 24)	No VOC	No VOC
Flash Point (ASTM D93)	475°F (246°C)	390°F (199°C)
Salt Spray (ASTM B117)***	Up to 500 hours	Up to 500 hours

**Typical values are not meant to be a specification.

***Based on 2 mil DFT

Availability

Contact a ZERUST® representative for ordering information.

Product Name	Product Number	Unit of Measure****	Product Name	Product Number	Unit of Measure****
Axxanol™ Z-Maxx	360-M-00001PL	5 gal (19 L) pail	Axxanol™ Z-Maxx LV	360-M-00002PL	5 gal (19 L) pail
Axxanol™ Z-Maxx	360-M-00001DR	55 gal (208 L) drum	Axxanol™ Z-Maxx LV	360-M-00002DR	55 gal (208 L) drum

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

Storage

Store in original, tightly sealed containers in a cool, dry area at 50-90°F (10-32°C), away from direct sunlight, for up to 2 years.

† DECLARATION

Corrosion protection claims are based on Northern Technologies International Corporation (NTIC) internal laboratory testing performed under controlled parameters on contaminant-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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With over 50 years of experience, ZERUST Integrity Solutions®, 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.

ZERUST Integrity Solutions, ZERUST®/EXCOR®, and Natur-Tec® are sister companies under NTIC.

