

Axxanol™ Z-Maxx Series

Technical Data Sheet

ZERUST®/EXCOR® 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 that is designed for spreadability and light lubrication properties. The original Z-Maxx is also a multipurpose EP lubrication grease for high-temperature range applications. Both products are hard-working rust preventative greases that are ideal for protecting bare-metal parts and components of machinery and equipment in extreme weather and salt-air conditions for up to 1 year‡ outdoors and 3 years‡ indoors.

After application, place the coated parts into ZERUST® Vapor Corrosion Inhibitor (VCI) film packaging products for a more robust solution that protects for years‡ during indoor storage or challenging shipping conditions, such as ocean freight. Once the metal asset is ready to be put back into use or service, or if parts require further processing, the coating is easily removed from the metal surface with the use of a compatible ZERUST® AxxaWash™ product, commercial alkaline or solvent cleaner. Axxanol™ Z-Maxx and Z-Maxx LV do not intentionally contain VOC, barium, or heavy metals and comply with Global Automotive Declarable Substance, TSCA, RoHS, and REACH SVHC requirements.

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

	Z-Maxx Original	Z-Maxx LV
Appearance	Viscous grease that creates a translucent film.	Less viscous grease that creates a translucent film.
Substrates	Multimetal protection. However, as with any grease/oil-based products, an oil stain may be left in certain situations.	Multimetal protection. However, as with any grease/oil-based products, an oil stain may be left in certain situations.
Coverage*	321 ft² (30 m²) per gal	321 ft² (30 m²) per gal
Wet film thickness (WFT)	5 mil (127 µm)	5 mil (127 µm)
VOC content EPA Method 24	Components contain no VOC according to CARB	Components contain no VOC according to CARB
Flashpoint ASTM D93	475°F (246°C)	390°F (199°C)
Grease grade	NLGI 2	NLGI 0

*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 rust preventative lubricant greases.
- Typical application temperature: apply in environment and on surfaces between 13 – 176°F (-11 – 80°C) in most operations.

Application Technologies

- Can be used in brush processes.

Product Removal

- Axxanol™ Z-Maxx and Z-Maxx LV can be removed from the metal surface with the use of a compatible ZERUST® AxxaWash™ product, commercial alkaline or solvent cleaner.

Product Control

- Brush-on application: use a natural bristle brush. Decant into a smaller container. Do not reuse product. Do not contaminate the original product container with the brush.

Scan QR for more

product information and photos

Availability

ZERUST®/EXCOR® Axxanol™ Z-Maxx and Z-Maxx LV are sold as ready-to-use products. Contact your ZERUST®/EXCOR® representative for ordering information.

Part Number	Product Name	Quantity*
360-M-00001PL	Axxanol™ Z-Maxx	5 Gal (19 L) Pail**
360-M-00001DR	Axxanol™ Z-Maxx	55 Gal (208 L) Drum**
360-M-00002PL	Axxanol™ Z-Maxx LV	5 Gal (19 L) Pail**
360-M-00002DR	Axxanol™ Z-Maxx LV	55 Gal (208 L) Drum**

*Product sold in US customary units. Metric units approximate.
**5 Gallon approx. 35 lbs, 55 Gallon approx. 400 lbs.

Protection Info‡

Indoor (unpackaged)‡	Up to 3 years‡
Indoor (w/ ZERUST® VCI packaging)‡	For years‡
Outdoor‡	Up to 1 year‡
Salt spray ASTM B117	Up to 500 hours*
Compatible with packaging	Yes

*ASTM B117 data is based on 2 mil DFT.

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.
- Reseal or close the container cap after each use.

Disposal

- Safe to use and handle. Product is not hazardous for people or the environment according to EU (CLP) or OSHA HazCom 2012 (US GHS).
- Product in an unopened original container prior to use does not meet criteria for hazardous waste according to 40 CFR 261 (no components listed on F, K, P, or U lists; not ignitable, not corrosive, not reactive, and not toxic).

Precautions

- Always mix well before use.
- Avoid placing metal surfaces in direct contact with wood or cardboard (sources of moisture and acid).
- Wear personal protective equipment as stipulated in the 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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