

▶ Zerust[®] Axxanol[™] Z-Maxx Series

For a hard-working corrosion preventative grease—use Zerust[®] Axxanol[™] Z-Maxx or Z-Maxx LV. Z-Maxx greases provide extreme corrosion prevention for ferrous and non-ferrous metals for up to one year outdoors and two years under shelter.

Zerust/Excor[®] Axxanol Z-Maxx is ideal for protecting bare-metal parts and components of machinery and equipment in extreme weather and salt-air conditions. Z-Maxx can be used for protecting parts during operation or long-term storage. Z-Maxx outperforms most petroleum-based corrosion preventive coatings and is easier to apply and remove—saving labor and maintenance costs.

Z-Maxx is a thick NLGI 2 grease and is also offered as Z-Maxx LV, a lower viscosity NLGI 0 grease. Both types offer exceptional corrosion protection while the original Z-Maxx is also a multipurpose EP lubrication grease for high-temperature range applications. Z-Maxx LV is designed for spreadability and has light lubrication properties.

Z-Maxx has very little odor and when applied in a thin uniform layer it creates a translucent film that allows visibility of the metal surface. It is hydrophobic and is compatible with synthetic rubber and plastics. For a sprayable Z-Maxx grease version, see information on Zerust Axxanol Spray-G.

Application Example

Z-Maxx was applied to critical metal parts on wind generators and solar panels in preparation for shipping. Upon arrival, customers installed them without need for removing the protective coating.



▶ Benefits

Superior corrosion protection

Long-term protection even outdoors

Multipurpose lubricant grease

Available in different formats for ease of application

Safe* and easy to apply and remove

Tenacious and resistant to water

Application Type

Storage
Shipping
During Operation
May be used with Zerust packaging

*Safe to use and handle. Product is not hazardous for people or the environment according to EU (CLP) or OSHA HazCom 2012 (US GHS).



Technical Data

Product Series Information	Corrosion inhibitor lubricant greases.	
	Z-Maxx Original	Z-Maxx LV
Application	Apply via brush or cloth	Apply via brush or cloth
Application Temp	-13 to 176°F (-25 to 80°C)	-13 to 176°F (-25 to 80°C)
Coverage	290 ft² (27 m²) / gal	290 ft² (27 m²) / gal
Wet Film Thickness *	5 mil (127 µm)	5 mil (127 µm)
Grease Grade	NLGI 2	NLGI 0
Removability	Alkaline cleaner	Alkaline cleaner
VOC Content	Not Applicable	Not Applicable
Flash Point	475°F (246°C)	390°F (200°C)
Protection Specs		
Metal types	Multimetal protection	Multimetal protection
Copper Compatibility	Pass	Pass
Salt Fog (ASTM B-117)	>500 Hrs @ 2 mil	>500 Hrs @ 2 mil
Indoors	Up to 2 years	Up to 2 years
Outdoors	Up to 1 year	Up to 1 year
In VCI Packaging/ Hermetically Sealed	Up to 5 years	Up to 5 years
Storage Temp	50 to 90°F (10 to 32°C)	50 to 90°F (10 to 32°C)
Shelf Life	Up to 2 years	Up to 2 years

*A change in thickness of coating will result in a change in coverage. Typical application thickness ranges from 5 to 20 mil. Theoretical coverage is 1450 ft² (135 m²) / gallon at 1 mil (24 µm) wet film thickness.

Warranty and Disclaimer Information: We guarantee our products conform to documented quality specifications. Product information subject to change without notice. We make no warranty of any kind expressed or implied as to the effects of use (including, but not limited to, damage or injury). For full warranty and disclaimer information visit, www.zerust.com/warranty.

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Contact Us



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Availability

Zerust®/Excor® Axxanol™ Z-Maxx is a ready-to-use grease product sold by volume. For sprayable version see infosheet for Axxanol Spray-G.

Part Number	Qty
Axxanol Z-Maxx	
360-M-00001PL	5 Gal*
360-M-00001DR	55 Gal*

Axxanol Z-Maxx LV	
360-M-00002PL	5 Gal*
360-M-00002DR	55 Gal*

Axxanol Spray-G (Z-Maxx Spray)	
350-M-00023AC	12 oz
350-M-00023PL	5 Gal*
350-M-00023DR	55 Gal*

*5 Gallon approx. 35 lbs, 55 Gallon approx. 400 lbs

Safety

- 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 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).

ZERUST® Z-MAXX FAMILY OF CORROSION PREVENTATIVE GREASES

Property	ASTM Standard	Z-Maxx	Z-Maxx LV
NLGI Grease Grade	D-217	2	0
Color	VISUAL	Tan	Tan
Structure	Report	Smooth, Buttery	Soft, Creamy
Bearing Corrosion, Rust Prevention (48 hr, 52°C (125°F) <1mm Dia Spots) Three Bearings	D-1743	Pass All Three (1, 1, 1)	Pass All Three (1, 1, 1)
Corrosion, Copper Tarnish Compatibility	D-4048	Pass	Pass
Dropping Point	D-2265	300°C (572°F)	232°C/ 450°F min
Anti-wear, 4-ball Steel-on-Steel Scar Diameter	D-2266	0.4 mm	0.8 mm max
Anti-wear, 4-ball Extreme Pressure			
Load Wear Index (LWI)	D-2596	143 lb (65 kg)	143 lb (65 kg)
Weld Load Point	D-2596	1100 lb (500 kg)	1100 lb (500 kg)
Anti-wear, (Timken OK Load Capacity)	D-2509	65 lb (30 kg)	55 lb (25 kg)
Oscillation, Friction and Wear (35,000 bronze-on-steel cycles, 87.5 cpm, Load 360 Lbs)	D-3704	6.4 mm Average Scar	
Water Washout Resistance 79°C (175°F)	D-1264	2.75% wt-Loss	
Worked Penetration = 60 Strokes (Cone, 25°C (77°F), 0.1 mm)	D-217	270-290	350-390
100,000 Strokes, Worked Stability Penetration	FTM-313	High Stability ±2	High Stability ±2
Roll Stability, Cone Penetration (0.1 mm min-max)	D-1831	High Stability, 19 mm	High Stability
US Steel Mobility - Bearing Leakage 163°C (325°F)	D-1263 Modified	0.4% Loss	
US Steel Mobility - Bearing Leakage 4°C (40°F)	LT-37	133 g/min	
US Steel Mobility - Bearing Leakage -17°C (0°F)	LT-37	5 g/min	7 g/min
Oxidation Stability, Pressure Drop, 99°C (210°F)			
100 hr	D-942	0 psi	0 psi max
500 hr	D-942	2 psi (excellent)	2 psi max (excellent)
1000 hr	D-942	9 psi (excellent)	9 psi (excellent)
Oil Separation in Storage 24 hours, 25°C (77°F)	D-1742	0.17%	0.2% max
Oil Separation Sieve, 30 hr, 180°C (356°F), %-wt max) (Conical	D-6184	8% wt. loss max	
Rubber Swelling, Synthetic NBR-L	D-4289	5.4%* (low)	low
Low Temperature Torque -20°C (-4°F) Starting	D-1478	0.23 N-m	
Low Temperature Torque -20°C (-4°F) Running 1hr	D-1478	0.050 N-m	
Low Temperature Torque -29°C (-20°F) Starting	D-1478	0.89 N-m	
Low Temperature Torque -29°C (-20°F) Running 1hr	D-1478	0.11 N-m	
Flash Point		246°C (475°F)	200°C (390°F) min

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