

Zerust®

Corrosion Solutions for the Electronics Industry



Why Choose Zerust®?

Proven Safe, Reliable and Effective Corrosion Solutions for Electronics

Zerust® corrosion inhibiting products are a cost-effective way to protect electrical components and equipment from the destructive effects of corrosion. For almost 50 years, Zerust's proprietary vapor corrosion inhibitor (VCI) technology has been proven safe and effective for protecting sensitive metals. An analysis of compatibility using recognized test procedures can be arranged with a local Zerust® representative.



A VC6-1 Vapor Capsule protects a large industrial electronics cabinet.

The Benefits of Zerust® Corrosion Inhibitor Products

- Longer equipment life and sustained reliability
- Lower operating and maintenance costs
- Reduced down time and fewer repairs
- Protection from corrosion for multiple metal types
- Optional protection such as electrostatic discharge (ESD), acid-gas neutralizers

How Zerust® Vapor Corrosion Inhibitors (VCIs) Work

VCI molecules inhibit corrosion by preventing moisture and environmental elements from reacting with the metal surface. Since VCI molecules are transported through the air, they must be trapped around the metal surface using a poly bag or other enclosure. Later, when the enclosure or package is opened, the Zerust® corrosion inhibiting layer dissipates, leaving clean, dry and residue-free metals.



Zerust® corrosion inhibitor diffusers go to work in minutes to saturate enclosures with protective VCI molecules.

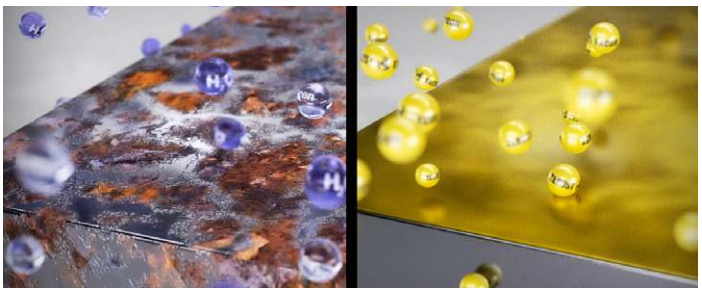
Zerust® is Safe For Electronics:

Zerust® Protection

- Does not affect the functionality of circuitry
- Does not harm printed circuit boards and sensitive ICs
- Does not leave galvanic effects, conductive residues or surface changes
- Is clean, dry and invisible corrosion inhibiting technology
- Is safe and easy to use for personnel

Safe for Electronics, Tough on Humidity and Contaminants

Reduce electronic equipment failures that lead to downtime due to corrosion with Zerust® corrosion protection. Electronic enclosures are often in corrosive atmospheres with high humidity, condensation, or traces of aggressive pollutants such as sulfides, chlorides and ammonia found in industrial and marine environments. Zerust® corrosion inhibitor technologies work to combat these causes of corrosion, even acid-gases and moisture.



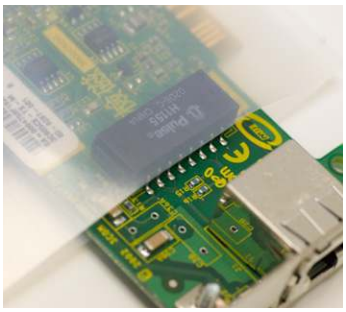
The effects of atmospheric contaminants on a metal surface pictured unprotected on the left and with Zerust® protection on the right.

Zerust Protection for the Exteriors of Electronics

Protect exterior surfaces of parts and equipment with Zerust® vapor corrosion inhibitor packaging materials. Wrap and enclose objects of any size to protect them from humidity, dirt and contaminants. Zerust® VCI Film packaging materials ensure that parts are protected in storage and in shipping from contact deterioration and a degraded appearance.



Zerust® Multimetal Film protects an oversized piece of electronic equipment for up to five years.



Zerust® Anti-Tarnish Film protects metals from rust and tarnish with acid-gas scavenging technology.

Product Solution Highlights

Zerust® Activ™ Series Diffusers

ActivPak®, ActivCapsule™ and ActivTab™ products are easy-to-use diffusers that provide fast-acting and powerful corrosion protection. Drop-in the product to protect sensitive metals even in the most challenging environments.

Product Name	Volume of Protection	Duration of Protection (up to)
ActivTab™(LS)-25	0.25 ft³ (0.007 m³)	6 months
ActivCapsule™ FAC1-1s	4 ft³ (0.12 m³)	1 year
ActivPak®(LS)-35	35 ft³ (1 m³)	1 year

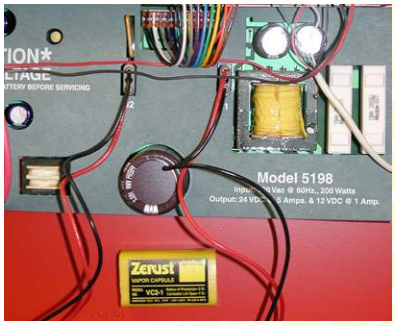


ActivPak®(LS) diffuser packet protects in corrosive environments.

Zerust® Vapor Capsule Diffusers

Vapor Capsules provide targeted corrosion protection to metals and come in many different sizes. They are odorless, non-toxic, residue-free, and are designed to work in restricted spaces.

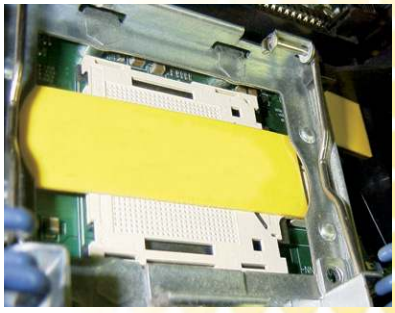
Product Name and Part Number	Volume of Protection	Radius of Protection	Duration of Protection	National Stock Number (NSN)
VC1-1 (S) 375-M-00006	4 ft³ (0.1 m³)	1 ft (0.3 m)	Up to 1 year	6850-01-426-3539
VC1-1 375-M-00001	4 ft³ (0.1 m³)	1 ft (0.3 m)	Up to 1 year	6850-01-338-1393
VC2-1 375-M-00002	35 ft³ (1 m³)	2 ft (0.6 m)	Up to 1 year	6850-01-475-9949
VC2-2 375-M-00003	35 ft³ (1 m³)	2 ft (0.6 m)	Up to 2 years	6850-01-133-0373
VC6-1 375-M-00004	900 ft³ (25 m³)	6 ft (2 m)	Up to 1 year	6850-01-590-1676
VC6-2 375-M-00005	900 ft³ (25 m³)	6 ft (2 m)	Up to 2 years	6850-01-348-1090



VC2-1 Vapor Capsule protects multiple metal types.

Zerust® Plastabs®

Plastabs® are made of light, rigid plastic and diffuse corrosion inhibitors. Their small and thin shape makes Plastabs® perfect for protecting critical surfaces within narrow or hard-to-reach areas of enclosures. Use them to prevent corrosion in small spaces or as added protection to enclosures or packaged items.



Plastabs® fit and protect small spaces.

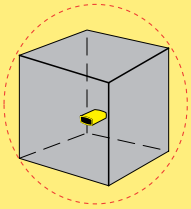




Zerust® Corrosion Inhibitor Diffuser Installation Guide

Zerust® Vapor Diffusers are easily installed in seconds without tools or specialized labor.

1. To activate, simply take the diffuser out of its packaging.
2. Note the installation date. Vapor Capsule products include a space to mark the date.
3. Place in the enclosure as close to the center as possible.
4. Make sure the diffuser has maximum surface space exposed for ideal diffusion.
5. Tightly seal the enclosure to restrict airflow.



The ideal location to obtain maximum coverage of protection from the diffuser is the center. This position may not be possible if the center is occupied.



Securely close the cabinet or enclosure to restrict airflow which traps protective vapors inside. Airflow removes the protective vapor from the space faster than the diffuser can release it. Visit www.zerust.com to view videos on how to use and install vapor diffusers.

Zerust® Comprehensive Corrosion Solutions

Zerust® delivers safe and effective corrosion solutions across the globe. Zerust® has on-site representation in over 70 countries to provide seamless support wherever you need it. Have a challenging corrosion prevention need, such as overseas shipping or contending with corrosive environments? Contact Zerust® for a comprehensive corrosion management solution to meet your needs.



Zerust® Axxanol™ Spray-G rust preventative coating protects electronic control panels outdoors.



Zerust® Outdoor Shrink VCI Film protects large equipment for operational readiness.

ZERUST® EXCOR®
Worldwide Corrosion Solutions

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