



APPLICATION FOCUS

Who
Water treatment plant

What
Corrosion prevention of controllers

Why
Reduce maintenance costs and reduce downtime

How
Zerust® Activ Series provided long-term corrosion protection without affecting the functionality of circuitry in the panels.

Zerust Activ Series Diffusers Reduces Corrosion Costs at Water Treatment Plant

A water treatment plant wanted to find a corrosion inhibiting solution to protect electrical components and control panels at their facility. With the extreme corrosive environment at their facility they found themselves replacing controllers that were no longer operational due to corrosion every year. Not only are these controllers expensive, but the cost from the downtime while these controllers were being replaced was becoming a very costly expense for the plant.

The Solution

Zerust's technical service team visited the plant to analyze the environment, and review the project scope. After the inspection, they conducted a side by side test (below) on copper panels at the lab to simulate the environment of the plant's control room. The panel protected by the Zerust ActivPak® had almost no change, while the unprotected panel corroded severely after 48 hours. Further testing showed the protected panel had no visible corrosion for over a month. With the plant's implementation of the ActivPak in the control panels they have been able to cut down on maintenance costs, as it provided long-term corrosion protection without affecting the functionality of circuitry in the panels.



Zerust ActivPak protects expensive controllers in a panel inside of a waste water treatment plant.



Avoid replacing expensive electronics. Zerust ActivPak extends the life of electronics and reduces downtime and the need to replace components.



Panel protected by ActivPak in H₂S sulfur gas environment. (2-18 ppm)

Unprotected panel in H₂S sulfur gas environment. (2 - 18 ppm)



Use For:

- During Operation
- Export Shipment
- Long Term Storage
- Work In Progress
- Inventory Storage

OTHER PRODUCTS



VCI Kraft Packaging Paper ICT[®]400 Series

Acid-free, pH neutral, smooth and non-flaking corrosion inhibiting paper and poly paper offer short-term corrosion protection for metal parts. Most paper products are recyclable.*



VCI Packaging Films ICT[®]500 Series

Our most widely used series of products. A variety of films offer short or long-term corrosion protection for parts and equipment during storage or shipment. Most film products are recyclable.*



Rust Removers and Cleaners ICT[®]600 Series

Highly effective rust removers for light to severe rust removal.

All ICT[®]600 series rust removers are non-toxic, non-hazardous and non-corrosive.



Liquid Additives and Coatings ICT[®]700 Series

Temporary corrosion protection for parts in-between production processes, during storage, or for added protection to the ICT[®] 500 series products during ocean shipments.



VCI Vapor Diffusers ICT[®]800 Series

Self-contained, portable products that diffuse Zerust[®] ICT[®] chemicals to protect metals within enclosures, such as tool boxes, electrical boxes, etc.

*Consult your Zerust representative and federal, state and local regulations.

ZERUST[®]  **EXCOR[®]**

www.zerust.com

A product of: Northern Technologies International Corporation

4201 Woodland Road

P.O. Box 69

Circle Pines, MN 55014

Phone: +1 (763) 225-6600

Fax: +1 (763) 225-6645

Email: sales@zerust.com

For more information about
the products listed above,
please visit www.zerust.com
or contact us at +1 (763) 225-6600.

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.

©2013-2017 Northern Technologies International Corporation (NTIC). All Rights Reserved. NTIC is the owner of the following trademarks: ActivPak[®], Cor-Tab[®], EXCOR[®], Flange Saver[®], ICT[®], NIT[®], Plastabs[®], Z-CIS[®], Zerion[®], ZERUST[®], The ZERUST People[®], and the Color "Yellow". ABRIGO[®], UNICO[®], and VALENO[®] are registered trademarks of EXCOR GmbH, a Joint Venture Partner of NTIC.