



## APPLICATION FOCUS

### Who

High-volume contract manufacturer

### What

Corrosion prevention for finished parts

### Why

Streamline packaging operations and reduce corrosion

### How

**Zerust® ICT®510-CHLD High Density VCI Film** reduces packaging time and cost and provides superior corrosion protection

## Zerust Streamlines Packaging to Save Time, Reduce Costs and Improve Corrosion Protection

A contract manufacturing and packaging house was looking to reduce costs. They were hand-packing thousands of parts a day in VCI paper and sealing them with tape. Unfortunately, there were no machines available to make the process more efficient that were compatible with VCI Paper.

### The Solution

Zerust representatives conducted an analysis of the current system, the materials and labor costs. As a result, they recommended replacing the VCI paper with ICT510-CLHD High-Density Film. Zerust VCI Films can be used with many packaging machines, including the customer's existing L-Bar Sealer. Automation decreased labor and material costs and increased the output of wrapped parts per hour. The company found that using Zerust Film in the L-Bar Sealer tripled output and decreased the company's cost by 70% and completely controlled corrosion.

Zerust also performed side-by-side testing of the competitor VCI paper and the Zerust film. The panels packaged in the competitor's VCI paper showed corrosion after only 3 days in a humidity chamber. The panels packaged in Zerust ICT510-CLHD Film showed no corrosion after 30 days in ASTM D1735 humidity chamber testing. In addition, Zerust Film is mechanically superior to VCI paper - it is stronger, more difficult to tear, resists breakage at a higher impact force and stretches to better manage any "stress" imposed on the package.

### Use For:



An L-Bar sealer used to package metal parts in Zerust VCI Film tripled hourly outputs.



ASTM D1735 humidity chamber testing. Left; a steel panel protected by Zerust Film is corrosion free after 30 days. Right; a steel panel protected by competitor VCI paper has rust after 3 days.

*The Zerust team of corrosion experts' recommended system saved time and reduced costs by 70% while providing superior corrosion protection.*

# Zerust®

Technology that protects metal from corrosion.





## ZERUST® CORROSION SOLUTIONS

### 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.

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



[www.zerust.com](http://www.zerust.com)

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