

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.

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



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.

ZERUST  **EXCOR**

Use For:



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.

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