

# Zerust® ICT®510G4-CY Non-Ferrous Film

**TECHNOLOGY THAT PROTECTS NON-FERROUS METAL FROM CORROSION**

## PRODUCT INFORMATION

### FEATURES

- Corrosion protection for non-ferrous metals such as silver, copper and brass
- Easy-to-use
- Non-toxic, odorless
- Designed for aggressive environments
- Proven Technology

### BENEFITS

- Reduces financial losses due to rust
- Provides corrosion protection even in the presence of acid gasses
- Improves shipment quality yield rates
- Comes with Zerust® global on-site technical support

By preserving your metal parts during storage and shipment, Zerust® ICT® 510G4-CY Film will help you reduce the need for inspection, rework, scrapping and excess inventory—saving you and your company significant money and resources.

Zerust® ICT®510G4-CY Non-Ferrous Film is the latest generation of corrosion inhibiting plastic packaging made with a new active formulation that provides corrosion protection in challenging environments as well as chemical scavenging technology to neutralize any hydrogen sulfide, sulfur dioxide, or chlorides that may be present. The G4 corrosion inhibiting formulation is non-toxic, odorless and does not contain heavy metals.

### The Problem

Non-ferrous metals, such as copper, bronze, brass and silver, tarnish (corrode, oxidize) in the presence of oxygen. The speed of this corrosion process may rapidly accelerate in the presence of acid gases such as sulfur dioxide and hydrogen sulfide which are commonly found at higher concentrations in the atmospheres near industrial centers.

Tarnish or corrosion of non-ferrous metal not only diminishes their aesthetic value, but also their mechanical integrity. This leads to costly scrap, customer rejections and rework.

### The Solution

Protected with  
ICT®510G4-CY



Protected with  
ordinary VCI



**Zerust® ICT®510G4-CY showed dramatically superior corrosion protection when tested side-by-side with ordinary VCI films.** Testing conditions included:

- 50°C (122°F)
- 100% RH
- Sulphur dioxide
- Hydrogen sulfide



**APPLICATION TYPE**

### CORROSION PROTECTION FOR:



# ORDERING INFORMATION

## ■ CONFIGURATIONS

Bags (flat & gusset), tubing, sheeting

## ■ SIZE RANGE (WIDTH)

Bags & tubing:

2" - 125" (flat)

2" - 150" (gusset)

Sheeting: 2" - 26'

## ■ THICKNESS

1-8 mil

## ■ COLOR

Clear is the standard color for Zerust® ICT®510G4-CY Film. Other colors available upon request.

## ■ PROTECTION TYPE

Non-ferrous metal corrosion protection (copper, bronze, brass and silver). UV, anti-static and other additional protection options available upon request.

## ■ CORROSION PROTECTION LIFE

Will provide corrosion protection for clean non-ferrous metals for up to five (5) years if prepared, packed and stored in a dry shelter away from direct sunlight and rain.

## ■ SHELF LIFE

Shelf life of 2 years, if stored at 85°F or less, out of direct sunlight and in the original packaging.

## QUESTIONS?

Please contact a Customer Service Representative at +1 (763) 225-6600 or email [sales@zerust.com](mailto:sales@zerust.com).



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## ICT® 500 SERIES OVERVIEW: PACKAGING FILM PRODUCTS



## Frequently Asked Questions

### Will Zerust® ICT®510G4-CY still work if the packaging material has small punctures or tears?

Zerust® ICT®510G4-CY provides corrosion protection via the combination of a volatile corrosion inhibitor (VCI) formulation that provides active protection inside the package and acid gas scavenging technology that absorbs gases as they pass through the package. The special Zerust® formulations have been impregnated into the plastic during manufacture. While small holes and tears should not significantly impair the VCI protection, it is always best maintain the integrity of the packaging. If holes or tears are detected, it is recommended that either these are sealed with plastic tape or that the entire Zerust® ICT®510G4-CY packaging is replaced.

### What actions should be taken in order to maximize the corrosion protection performance of Zerust® ICT®510G4-CY?

It is always recommended to ensure all metal parts are properly cleaned and dried before packing them in Zerust® ICT®510G4-CY. Always wear clean, lint-free gloves when handling metal, and never touch metal surfaces with bare skin. Seal the Zerust® ICT®510G4-CY packaging as quickly as possible after packing. Store the sealed package in a dry shelter away from direct sunlight and rain.

### How long can Zerust® ICT®510G4-CY protect metal from corrosion?

Clean, properly packed and stored metals can be protected from corrosion by Zerust® ICT®510G4-CY for up to five (5) years. In order to ensure maximum effectiveness, please contact a Zerust® representative to help you design the appropriate corrosion protection system for your needs.

## OTHER PRODUCTS AVAILABLE

### ICT® 700 Series: Liquid Additives and Coatings

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

### ICT® 800 Series: Diffusers

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