

# Zerust® ICT®510G4-CA Ferrous Film

**TECHNOLOGY THAT PROTECTS METAL FROM CORROSION**

## PRODUCT INFORMATION

### FEATURES

- Robust corrosion protection for ferrous metals such as iron, cast iron, and steel
- Easy-to-use
- Non-toxic
- Designed for aggressive environments
- Proven Technology

### BENEFITS

- Reduces financial losses due to rust
- Improves shipment quality yield rates
- Comes with Zerust® global on-site technical support

Zerust® ICT®510G4-CA Ferrous Film is the latest generation of corrosion inhibiting plastic packaging made with a new active formulation that provides corrosion protection in challenging environments such as acid gas pollution, salt air, etc. It also utilizes 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

Ferrous metals such as iron and steel naturally corrode in the presence of moisture and air. This corrosion is accelerated exponentially in the presence of acid gases such as sulfur dioxide. Acid gases are found in our atmosphere and have especially high concentration near industrial sites. Corrosion of ferrous metal leads to costly scrap, customer rejection and costly rework of metal parts. Ordinary volatile corrosion inhibitor packaging is commonly used to offer corrosion protection, but the presence of acid gases reduces its performance.

### The Solution

Protected with  
ICT®510G4-CA Film



Protected with  
ordinary VCI Film



**Zerust® ICT®510G4-CA showed dramatically superior rust protection when tested side-by-side with ordinary VCI films.** Test conditions included:

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

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



### 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

Yellow is the standard color for Zerust® ICT®510G4-CA Ferrous Film.

## ■ PROTECTION TYPE

Ferrous corrosion protection capability (steel, iron, cast iron). UV, anti-static, and other additional protection options available upon request.

## ■ CORROSION PROTECTION LIFE

Will provide rust protection for clean 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 original packaging.

## QUESTIONS?

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

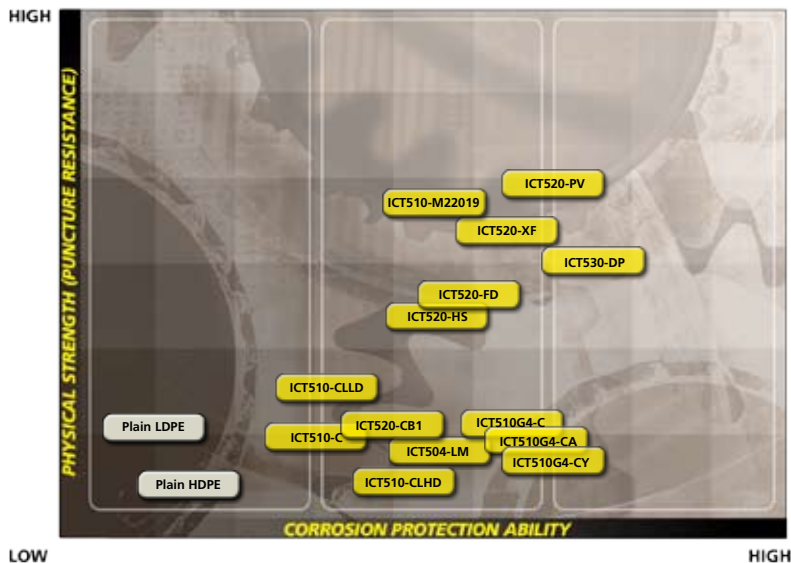


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This product is recyclable. Please consult federal, state and local regulations.

## ICT®500 SERIES OVERVIEW: PACKAGING FILM PRODUCTS



## Frequently Asked Questions

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

Zerust® ICT®510G4-CA 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 acid 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, they do reduce the acid gas filter capability depending on how much acid gas enters the holes. If holes or tears are detected, it is recommended that either these are sealed with plastic tape or that the entire Zerust® ICT®510G4-CA packaging is replaced.

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

It is always recommended to ensure all metal parts are properly cleaned and dried before packing them in Zerust® ICT®510G4-CA. Always wear clean, lint-free gloves when handling metal, and never touch metal surfaces with bare skin. Seal the Zerust® ICT®510G4-CA 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-CA protect metal from corrosion?

Clean, properly packed and stored metals can be protected from corrosion by Zerust® ICT®510G4-CA 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.