



## ▶ Zerust® ICT® Poly VCI Film Bags

Zerust®/Excor® ICT® VCI Bags provide convenient and proven protection against corrosion damage for metals in shipping and storage. They are available in ferrous, non-ferrous, anti-tarnish and multimetal protection types and in various flat, zipper and gusseted sizes.

Zerust VCI Bags diffuse Vapor Corrosion Inhibitors to protect metal components, machined parts, engines, molds and more from rust and corrosion. Use Zerust VCI Bags to line boxes and dunnage systems and combine packaging and corrosion protection in one step. Zerust VCI Bags range in size from two inches up to 150 inches and can be made with additives such as acid-gas blockers and anti-static. For additional protection, VCI film packaging can be used with Zerust corrosion inhibitor liquid RPs and VCI diffuser products.

Zerust is the inventor of poly VCI technology and Zerust VCI film has proven its performance and safety\* with thousands of customers worldwide for over 35 years. It is used to protect valuable metal items for manufacturers in industries such as automotive, agricultural, aerospace and mining. Zerust/Excor offers onsite support and service in more than 60 countries.

### Application Example

A large gusseted Zerust VCI Bag lines a shipping container to protect metal parts from corrosion in shipping and storage.



### ▶ Benefits

Effective corrosion protection and packaging combined in one step

Metals are ready for use and assembly directly out of the packaging

Available in many different formulations and sizes

Provides safe\* and effective Zerust VCI protection.

Recyclable

### Application Type

Storage  
Shipping  
Work in progress

\*Safe for people. This product does not pose a health hazard to users due to its classification as an article according to EU REACH, UN GHS, US OSHA HazCom and CA WHMIS regulations.



## Product Information

<b>Description</b>	Zerust®/Excor® ICT®510-C VCI Bags are a polyethylene product impregnated with volatile corrosion inhibitors.
<b>Appearance</b>	Typical colors are clear, yellow or green. Additional colors and custom printing available upon request.
<b>Metal Protection Types</b>	Available in ferrous, multimetals, anti-tarnish and non-ferrous protection formulations.
<b>Protection Life</b>	Protects clean metals for years when used correctly and utilized within three years from receipt. Not intended for outdoor use.

**Storage** Store in original packaging away from direct sunlight in conditions below 85°F (30°C) and 50% RH until ready for use.

Property	Direction (Machine or Transverse)	Zerust ICT510-C Film*	ASTM Test Method
Film Thickness	-	4 mil (102 µm)	D-6988
Dart Impact Resistance	-	300 g	D-1709
Tear Strength	MD	0.60 lb-f (2.7 N)	D-1938
	TD	0.65 lb-f (2.9 N)	
Tensile Strength at Yield	MD	1905 psi (13.1 MPa)	D-882
	TD	1538 psi (10.6 MPa)	
Tensile Strength at Break	MD	3045 psi (21.0 MPa)	D-882
	TD	2917 psi (20.1 MPa)	
Elongation at Break	MD	560%	D-882
	TD	610%	
Breaking Factor	MD	11.0 lb-f/in (1926 N/m)	D-882
	TD	11.5 lb-f/in (2014 N/m)	
Water Vapor Transmission Rate @78°F (26°C), 90% RH	-	0.06 g/(100 in <sup>2</sup> /day)	F-1249
Vapor Inhibiting Ability (VIA)	-	Pass	NACE TM0208-2013

\* Typical values, not meant to be a specification.

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](http://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.

## Contact Us



A product of:  
Northern Technologies  
International Corp  
4201 Woodland Road  
Circle Pines, MN 55014  
USA

## Availability

Zerust/Excor ICT510-C VCI Film Bags are available in many stock and custom additives such as UV and Anti Static. Contact a Zerust account manager for pricing and availability.

**Size Range (width):**  
2" - 125" (flat)  
2" - 150" (gusset)

## Recyclable

Dispose of in accordance with local, national and international regulations. Check on options for recycling and incineration.

## Safety

- Safe for people. This product does not pose a health hazard to users due to its classification as an article according to EU REACH, UN GHS, US OSHA HazCom and CA WHMIS regulations.
- Zerust VCI chemistry is safe for sensitive electronics. No galvanic effects, residues or changes in the properties of metals. The protective molecules dissipate upon opening of package.

Phone. +1 763.225.6600  
Fax. +1 763.225.6645  
[sales@zerust.com](mailto:sales@zerust.com)  
[www.zerust.com](http://www.zerust.com)

