

# Zerust<sup>®</sup> Outdoor Preservation Shrink

Use Zerust<sup>®</sup>/Excor<sup>®</sup> ICT<sup>®</sup>510-OPS VCI Shrink Film for longterm outdoor storage and mothballing of parts and equipment. Zerust outdoor preservation film provides superior corrosion and UVI protection for up to 3 years even in extreme conditions.

Zerust/Excor Outdoor Preservation VCI Shrink Film provides advanced protection to metals with Zerust Vapor Corrosion Inhibitor (VCI) technology. It is a premium 8-mil, high-strength shrink film with UV stabilizers for 3-year outdoor protection. The film shrinks and conforms to objects when heated to repel moisture and contaminants. Zerust VCI saturates the interior of the packaging to protect hard-to-reach spaces and voids from corrosion.

This specially designed VCI shrink film is ideal for lay-up and mothballing of equipment, vehicles and outdoor storage of components. Multiple sheets can be shrunk together for any size application such as structures and machinery. Zerust Outdoor Preservation Film protects valuable metal assets and makes them ready to use whenever and wherever they are needed. Check with your Zerust/Excor representative for a corrosion management solution most effective for your metal assets.

## **Application Example**

Valuable assets are protected from corrosion when stored outdoors. Zerust film enables items to be stored near the project site and be operationally ready.





High strength and performance 3-year outdoor protection Proven corrosion and UV protection Excellent shrink properties Superior handling and drape Safe for electronics

### **Application Type**

Storage Shipping Works with Zerust VCI diffusers

# **Zerust**<sup>®</sup>





## **Specifications**

Product Information	Zerust <sup>®</sup> /Excor <sup>®</sup> ICT <sup>®</sup> 510-OPS Film is a heat responsive durable film that shrinks and forms a durable package.			
Appearance	Typical colors are opaque gray and clear.			
Protected Metal Types	Ferrous metal protection. Multimetal and non-ferrous protection are available upon request.			
Protection Duration	Outdoor UV protection for up to 3-years. Under shelter, VCI protects clean metals for years when used correctly and utilized within three years from receipt.			
Storage	Store in original packaging away from direct sunlight ir conditions below 85°F (30°C) and 50% RH for up to 3 years from the date of shipment.			

## **Product Comparison Chart**

Property	Direction (Machine or Transverse)	Zerust High-Strength Shrink Film*	Competitor Shrink Film	ASTM Test Method
Film Thickness	-	8.0 mil (203 μm)	10.5 mil (267 µm)	D-6988
Dart Impact Resistance	-	900 g	715 g	D-1709
Tear Strength	MD	15250 mN	18850 mN	D-1938
	TD	17280 mN	21800 mN	
Tensile Strength at Break	MD	3466 psi (23.9 MPa)	2756 psi (19.0 MPa)	D-882
	TD	3263 psi (22.5 MPa)	2900 psi (20.0 MPa)	
Elongation at Break	MD	930%	816%	D-882
	TD	895%	873%	
Water Vapor Transmission Rate 100°F (38°C), 100% RH	-	0.108 g/(100 in²/day) 1.64 g/(m²/day)	0.0924 g/(100 in²/day) 1.43 g/(m²/day)	F-1249
Vapor Inhibiting Ability (VIA)	-	Pass	-	NACE TM0208

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

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## Availability

Custom options and printing available upon request. Minimum order quantities apply.

#### **Stock Offerings:**

PN 100-F-00070 8 mil 20' x 100' Opaque Gray PN 100-F-00077 8 mil 40" x 425' Clear

#### Accessories:

PN 250-X-00002 (12 rolls/case) 6 mil 4" x 180' gray preservation tape PN 250-X-00003 (8 rolls/case) 6 mil 6" x 180' gray preservation tape

### 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.

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