



## ▶ Zerust® Outdoor Preservation Shrink

Use Zerust®/Excor® ICT®510-OPS VCI Shrink Film for long-term 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.



### ▶ Benefits

- 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

## Specifications



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

## 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-00007 (12 rolls/case)  
6 mil 4" x 108' gray preservation tape  
PN 250-X-00008 (8 rolls/case)  
6 mil 6" x 108' gray preservation tape

## Product Comparison Chart

Property	Direction (Machine or Transverse)	Zerust® High-Strength Shrink Film*	Competitor Shrink Film	ASTM Test Method
<b>Film Thickness</b>	-	8.0 mil (203 µm)	10.5 mil (267 µm)	D-6988
<b>Dart Impact Resistance</b>	-	900 g	715 g	D-1709
<b>Tear Strength</b>	MD	15250 mN	18850 mN	D-1938
	TD	17280 mN	21800 mN	
<b>Tensile Strength at Break</b>	MD	3466 psi (23.9 MPa)	2756 psi (19.0 MPa)	D-882
	TD	3263 psi (22.5 MPa)	2900 psi (20.0 MPa)	
<b>Elongation at Break</b>	MD	930%	816%	D-882
	TD	895%	873%	
<b>Water Vapor Transmission Rate 100°F (38°C), 100% RH</b>	-	0.108 g/(100 in <sup>2</sup> /day) 1.64 g/(m <sup>2</sup> /day)	0.0924 g/(100 in <sup>2</sup> /day) 1.43 g/(m <sup>2</sup> /day)	F-1249
<b>Vapor Inhibiting Ability (VIA)</b>	-	Pass	-	NACE TM0208

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

### DECLARATION

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## 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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