



▶ 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. In addition, 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 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

Product Information



Description	ZERUST®/EXCOR® ICT®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 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 are available upon request. Minimum order quantities apply.

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

Accessories

Part Number	Quantity
250-X-00007	9 mil 4" x 108' gray preservation tape (12 rolls/case)
250-X-00008	9 mil 6" x 108' gray preservation tape (8 rolls/case)

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 in ² /day) 1.64 g/(m ² /day)	0.0924 g/(100 in ² /day) 1.43 g/(m ² /day)	F-1249
Vapor Inhibiting Ability (VIA)	-	Pass	-	NACE TM0208

* Typical values, not meant to be a specification.

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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 the package.

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