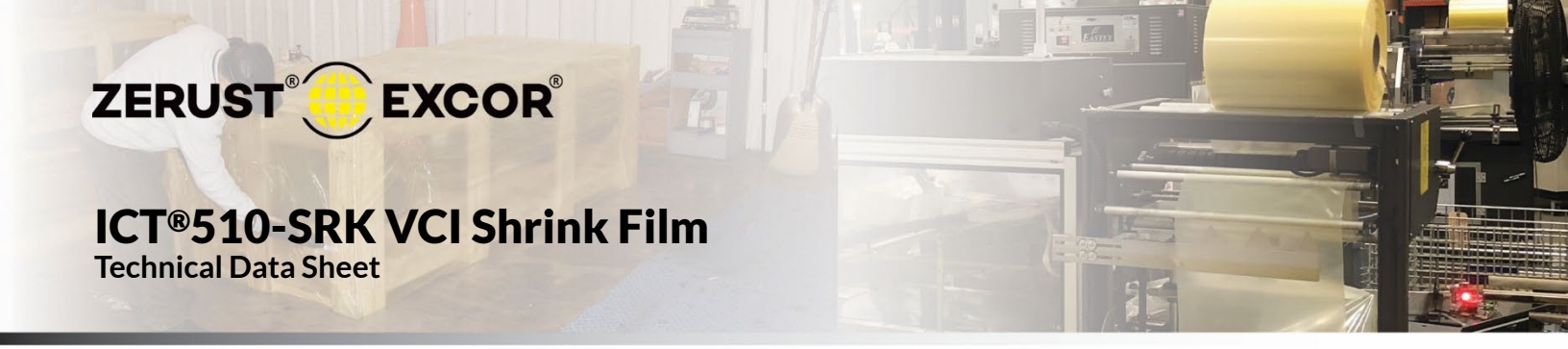


ICT®510-SRK VCI Shrink Film

Technical Data Sheet

ZERUST®/EXCOR® ICT®510-SRK VCI Shrink Film is a 4-mil, high-strength polyethylene shrink film integrated with ZERUST® Vapor Corrosion Inhibitor (VCI) technology designed for the advanced protection of metals during indoor storage and mothballing. When heated, the film shrinks to conform tightly around objects, effectively repelling moisture and external contaminants, while the invisible, odorless, and non-toxic ZERUST® VCI molecules saturate the interior of the packaging, protecting hard-to-reach spaces and voids. Upon removal from the packaging, the VCI will dissipate from the metal surface, allowing immediate painting, welding, or further processing.

Use ZERUST® VCI Shrink Film to protect metal components, machined and cast parts, engines, molds, and more from rust and corrosion for years‡. For additional protection in challenging environments, ZERUST® VCI Shrink Film may be used with ZERUST® rust inhibitors, preventatives, coatings, or VCI diffuser products. Ideal for long-term indoor storage, ICT®510-SRK VCI Film preserves the integrity and extends the service life of parts and equipment by providing a secure, corrosion-free environment, ensuring that valuable assets remain in optimal condition and ready for use whenever needed.

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 50 years. It is used to protect valuable metal items for manufacturers in industries such as automotive, agricultural, aerospace, and mining. ZERUST®/EXCOR® offers on-site support and service in more than 70 countries via a network of 21 joint venture partnerships. Check with your ZERUST®/EXCOR® representative for a comprehensive corrosion management solution that is most effective for your metal assets.

Typical Properties

Appearance Typical colors are yellow or green. Additional colors are available upon request. Subject to order minimums.
Substrates Available in ferrous and multimetal protection formulations. Other protection formulations are available upon request.

Property	Direction (Machine or Transverse)	ICT®510-SRK VCI Shrink Film*	ASTM Test Method
Film Thickness	-	4 mil (102 µm)	D-6988
Dart Impact Resistance	-	375 g	D-1709
Elmendorf Tear Strength	MD	435 gf	D-1922
	TD	596 gf	
Tensile Strength at Break	MD	21.0 MPa (3045 psi)	D-882
	TD	23.5 MPa (3408 psi)	
Elongation at Break	MD	610 %	D-882
	TD	685 %	
Water Vapor Transmission Rate	-	0.06 (g/100 in^2/day) @73°F (23°C), 90% RH	F-1249
Vapor Inhibiting Ability (VIA)	-	Pass	NACE TM0208

This data sheet provides general guidelines for operation, application, and removal. Please contact your ZERUST®/EXCOR® account representative for more specific recommendations on your particular operation and conditions.

Operating Summary

- Pack only clean and dry parts.
- Always wear clean and dry gloves when handling the metal parts to protect them from corrosion-causing fingerprints.
- When packing, the temperature of the metal parts should be about the same as the room temperature to avoid condensed moisture.
- After packing, shrink ICT®510-SRK Film with a heat gun or shrink tunnel machine.
- Insert additional ZERUST® materials (such as ICT®420-35 VCI Kraft Paper) as interleave for added protection in larger and tightly packed or layered packages.
- Avoid placing metal surfaces in direct contact with wood or cardboard (sources of moisture and acid).

Scan QR for more

product information and photos

Availability

ZERUST®/EXCOR® ICT®510-SRK VCI Shrink Film is available in many stock options and has non-stock options, such as UV stabilizers, acid-gas blockers, anti-block, slip, and anti-static additives, subject to minimum order quantities. ZERUST® ICT®510-SRK VCI Shrink Films are manufactured with at least 10% recycled plastic, helping support environmental compliance requirements and meet global sustainability expectations. Contact your ZERUST®/EXCOR® representative for ordering information.

Part Number	Metal Type	Quantity
100-F-00010	Ferrous	20’ x 100’ x 4 mil Roll
100-F-00004	Ferrous	48” x 500’ x 4 mil Roll
100-F-00084	Ferrous	20’ x 100’ x 6 mil Roll
100-M-00007	Multimetal	20’ x 100’ x 4 mil Roll

Protection Info‡

Indoor‡ Protects clean metals for years‡ when used correctly.
Outdoor‡ Not recommended

Storage

- Store in a cool, dry place and away from sunlight in the original packaging for up to 3 years from the date of shipment.

Disposal

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

Precautions

- Do not use for outdoor protection.
- 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, CLP, and CA WHMIS regulations.
- Refer to the Safety Data Sheet (SDS) for safety information.

‡ DECLARATION
Corrosion protection claims are based on Northern Technologies International Corporation (NTIC) internal laboratory testing performed under controlled parameters on contaminate-free substrates. Real-world application corrosion protection duration on different substrates will vary and depends on factors such as, but not limited to, the application or use, environmental / storage conditions, surface cleanliness, type of substrates, and coating thickness (where applicable). The use of the term “Up to” in reference to time is defined as any time duration from zero up to a specified time frame, but in no event beyond the specified time frame. The use of the term “for years” is based on NTIC’s experience with its products but is in no way guaranteed. The use of the term “Up to” in reference to volume is defined as any volume from zero up to a specified volume but in no event beyond the specified volume of protection. It is the customer’s / user’s obligation to evaluate product performance, corrosion protection duration, safety, and suitability for intended use within the scope advised in the data sheet and to comply with all applicable laws and regulations. **LIMITED WARRANTY/DISCLAIMER** Warranty is limited to the replacement of a product that fails to meet specifications. For full warranty and disclaimer information, visit www.zerust.com/warranty.

©2013-2025 Northern Technologies International Corporation (NTIC). All Rights Reserved. NTIC is the owner of the following trademarks: ActivPak®, Cor Tab®, EXCOR®, Flange Saver®, ICB®, ICT®, Natur-VCI®, NTI®, Plastabs®, Z-CIS®, Zerion®, ZERUST®, 洁乐特, Z-PAK® and the Color “Yellow”. ABRIGO®, UNICO®, ICB®, and VALENO® are registered trademarks of EXCOR GmbH, a Joint Venture Partner of NTIC.

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

Phone. +1 763.225.6600
Fax. +1 763.225.6645
sales@zerust.com
www.zerust.com