

ZERUST®/EXCOR® ICT®520-CSL Cold Seal VCI Film significantly reduces labor and equipment costs as the film forms a strong seal in seconds without heat-sealing, tape, or staples. In addition, it is quick and easy to remove and does not leave a residue.

ZERUST® ICT®520-CSL Film is a cold-adhesive film made with proven ZERUST® Vapor Corrosion Inhibitors (VCIs). It provides superior corrosion protection in an easy-to-use cold-seal film. Use it to protect bare metal parts, such as gears, differential units, and axle ends. ZERUST® Cold Seal Film protects multiple metal types, through both contact and vapor corrosion inhibitors, for years.

ZERUST® Cold Seal Film saves valuable time, equipment, and labor in packaging operations by eliminating the need to heat-seal and apply tape or staples. ZERUST® ICT®520-CSL VCI Film bonds to itself, creating a self-adhesive closure in seconds. In addition, the film bonds only to itself and will not adhere to or leave a residue on the product that is being protected.

Application Example

ZERUST® ICT®520-CSL Film protects a differential unit for service shipment. In addition, packaging in cold-seal VCI film saved time compared to typical wrapping of VCI Film and tape.





Benefits

Adheres to itself and does not leave a residue

Effective corrosion protection and packaging combined in one step

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

Provides safe* and effective ZERUST® VCI protection.

Application Type

Shipping Storage 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

Description	ZERUST®/EXCOR® ICT®520-CSL VCI Film is a polyethylene product with a self-sealing adhesive on one side impregnated with volatile corrosion inhibitors.		
Appearance	Typical color is clear. Additional colors are available upon request. Subject to order minimums.		
Protected Metal Types	Available in multimetal protection formulations. Custom options are available upon request.		
Protection Duration	Protects clean metals for years when used correctly and utilized within three years from receipt. Not intended for outdoor use.		

StorageStore 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.

Property	Direction (Machine or Transverse)	ZERUST® ICT®520-CSL Film*	ASTM Test Method
Film Thickness	-	4.4 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	MD	3045 psi (21.0 MPa)	D-882
at Break	TD	2917 psi (20.1 MPa)	
Florantian at Drank	MD	560%	D-882
Elongation at Break	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 in²/day)	F-1249
Vapor Inhibiting Ability (VIA)	-	Pass	NACE TM0208

^{*} Typical values, not meant to be a specification.

DECLARATION

This Data sheet and information it contains is considered to be accurate at the date of printing. No representation or warranty, expressed or implied is made as to the accuracy or completeness of the data and information contained in this publication. It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations. **LIMITED WARRANTY**

All statements, technical information and recommendations contained herein are based on validations and tests conducted by Northern Technologies International Corporation/ZERUST® or its partners and are believed to be reliable, but the accuracy or completeness thereof is not guaranteed. We warrant our products will be free from defects when shipped to customer. Our obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Northern Technologies International Corporation/ZERUST® or its partners or agent of the claimed defect within 3 months after shipment of product to customer. Customer shall pay all freight charges for replacement products. We shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. And any financial claims shall be limited to the value of the products sold. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of the company. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose. In no case shall Northern Technologies International Corporation/ZERUST® be liable for incidental or consequential damages.

For full warranty and disclaimer information visit, www.zerust.com/warranty.

©2013-2023 Northern Technologies International Corporation (NTIC). All Rights Reserved. NTIC is the owner of the following trademarks:

ActivPak® Cor Tab® FXCOR® Flance Saver® ICT® Natur-VCT® NTI® Plastabs® 7-CTS® Zerion® 7FRUST® 清乐特. 7-PAK® and the Color

ActivPak®, Cor Tab®, EXCOR®, Flange Saver®, ICT®, Natur-VCI®, NTI®, Plastabs®, Z-CIS®, Zerion®, ZERUST®, 洁乐特, Z-PAK® and the Color "Yellow". ABRIGO®, UNICO®, and VALENO® are registered trademarks of EXCOR GmbH, a Joint Venture Partner of NTIC.

•

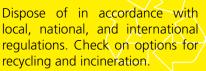
Availability

ZERUST®/EXCOR® ICT®520-CSL VCI Film is available in custom options and with additives such as UV and anti-static. Contact a ZERUST® account manager for pricing and availability.

Size Range (width):

Sheeting: 6" - 36" Perforated or non-perforated Thickness: 2-8 mil

Recyclable





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.

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

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

Rev Ch