

# ZERUST® ICT®520-CSL Cold Seal VCI Film

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



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

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 at Break	MD	3045 psi (21.0 MPa)	D-882
	TD	2917 psi (20.1 MPa)	
Elongation at Break	MD	560%	D-882
	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 in <sup>2</sup> /day)	F-1249
Vapor Inhibiting Ability (VIA)	-	Pass	NACE TM0208

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

### DECLARATION

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## 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

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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