ZERUST® EXCOR®

Zerust® VCI Ferrous Film

Zerust®/Excor® VCI Film provides cost-effective and versatile protection against corrosion damage for ferrous metals in shipping and storage. It protects steel, iron, cast iron and its alloys. It is available in various sized rolls, sheets, tubing and bags.

Zerust VCI packaging film diffuses proprietary Zerust VCIs (Vapor Corrosion Inhibitors) to protect metals from rust. Use Zerust VCI Film to protect metal components and assemblies, machined and cast parts, and more for years. For additional protection and use in challenging environments, packaging can be used with Zerust corrosion inhibitor liquid RPs and VCI diffuser products. Check with your Zerust/Excor representative for a comprehensive corrosion management solution most effective for your metal assets.

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 35 years. It is used to protect valuable metal items for manufacturers in industries such as automotive, agricultural, aerospace and mining. Zerust/Excor offers onsite support and service using our local partners in more than 60 countries.

Benefits

Effective corrosion protection and packaging combined in one step

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

Available in many different shapes and sizes

Provides safe* and effective Zerust VCI protection.

Recyclable

Application Type

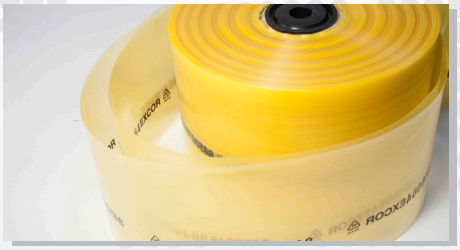
Storage
Shipping
Work in progress

Application Example

A ferrous Zerust VCI Film gusseted bag lines a dunnage system to protect precision steel parts from corrosion in shipping.

*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 WHIMS regulations.

Zerust®



Product Information

Description	Zerust®/Excor® VCI Film is a polyethylene product impregnated with volatile corrosion inhibitors.
Appearance	Typical colors are clear, yellow or green. Additional colors available upon request. Subject to order minimums.
Protected Metal Types	Protects steel, iron and its alloys.
Protection Life	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 until ready for use.

Property	Direction (Machine or Transverse)	Zerust Film*	ASTM Test Method
Film Thickness	-	3.9mil (100 µm)	D-6988
Dart Impact Resistance	-	230 g	D-1709
Tensile Strength at Yield	MD	260 kg/sq.cm (25.5 MPa)	D-882
	TD	250 kg/sq.cm (24.5 MPa)	
Tensile Strength at Break	MD	250 kg/sq.cm (24.5 MPa)	D-882
	TD	240 kg/sq.cm (23.5 MPa)	
Elongation at Break	MD	820%	D-882
	TD	910%	
Vapor Inhibiting Ability (VIA)	-	Pass	NACE TM0208-2013

* Typical values, not meant to be a specification.

Availability

Zerust/Excor® VCI Ferrous Film is available in many stock and custom options. Contact Harita-NTI account manager for pricing and availability.

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 WHIMS 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.

Warranty and Disclaimer Information: We guarantee our products conform to documented quality specifications. Product information subject to change without notice. We make no warranty of any kind expressed or implied as to the effects of use (including, but not limited to, damage or injury). For full warranty and disclaimer information visit, www.zerust.com/warranty.

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