

ZERUST · EXCOR® VCI

✓ Zerust ICT®510-C Non-Ferrous Film

Zerust®/Excor® ICT®510-C VCI Non-ferrous Film provides cost-effective and versatile protection against corrosion damage for non-ferrous metals such as aluminum, copper, brass, bronze and galvanized steel in shipping and storage.

Zerust VCI packaging film diffuses proprietary Zerust VCIs (Vapor Corrosion Inhibitors) to protect metals for years. Use Zerust ICT510-C VCI Non-ferrous Film to protect metal components and assemblies and more from corrosion. For additional protection and use in challenging environments, packaging can be used with Zerust corrosion inhibitor liquid RPs and VCI diffuser products.

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.

▶ Benefits

Effective corrosion protection and packaging combined in one step

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

Available with ESD protection

Provides safe* and effective Zerust VCI protection.

Recyclable

Application Type

Storage
Shipping
Work in progress

Application Example

A Zerust VCI Non-ferrous Film Bag protect a copper coil from corrosion during shipping and storage.



*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.

Specifications



Product Information Zerust®/Excor® ICT®510-C Non-ferrous Film is a polyethylene product impregnated with vapor corrosion inhibitors.

Protected Metal Types Protects non-ferrous metals such as aluminum, copper, brass, bronze, and galvanized.

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 ICT510-C Film*	ASTM Test Method
Film Thickness	-	4mil (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 ² /day)	F-1249
Vapor Inhibiting Ability (VIA)	-	Pass	NACE TM0208-2013

Availability

Zerust ICT510-C Film is available upon request. Contact a Zerust account manager for pricing and availability.

Size Range (width):

Bags & Tubing:
2" - 125" (flat)
2" - 150" (gusset)
Sheeting: 2" - 26'

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.

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