

ZERUST® VCI Film Tote Covers

ZERUST®/EXCOR® ICT® Tote Covers are a convenient packaging product made of ZERUST® VCI film with an elastic band and designed to fit over work totes. They protect metal parts from corrosion and dust while keeping them visible and easy to access.

The ZERUST®/EXCOR® Tote Covers are sometimes called VCI shower caps due to their unique elastic bottom. The elastic band provides a secure fit over totes or odd-shaped or protruding parts such as hub assemblies. In addition, Tote Covers prevent corrosion by diffusing Vapor Corrosion Inhibitor (VCI) chemistry. The covers also act as a barrier of protection against dirt, dust, smoke, and other contaminants.

The covers are typically made of ZERUST® ICT®510-CLHD High-Density VCI Film, but the Tote Covers can be made from almost any ZERUST® film product as required by the application. They are designed to cover the most common sizes of plastic stackable totes and are reusable when in good condition. In addition, since ZERUST® ICT® Tote Covers are made of transparent film, parts and components remain visible for easy identification and inspection.

Application Example

ZERUST® VCI Film Tote Covers are used for metal parts in temporary storage before use in assembly.



Benefits

Effective corrosion protection and packaging combined in one step

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

Lightweight and strong

Provides safe* and effective ZERUST® VCI protection

Keep parts visible for inspection

Application Type

Storage
Shipping
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.



ZERUST® VCI Film Tote Cover

Product Information

Description	ZERUST® VCI Film Tote Covers are typically made using ICT®510-CLHD High-strength Film, which is impregnated with volatile corrosion inhibitors.
Appearance	Yellow is the standard color. Additional colors are available upon request. Subject to order minimums.
Protected Metal Types	Ferrous corrosion protection capability (steel, iron, cast iron). Other protection types 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.
Storage	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® VCI Film Tote Covers*	ASTM Test Method
Film Thickness	-	1.5 mil (38 µm)	D-6988
Dart Impact Resistance	-	146 g	D-1709
Tensile Strength at Yield	MD	1856 psi (12.8 MPa)	D-882
	TD	4815 psi (33.2 MPa)	
Tensile Strength at Break	MD	3843 psi (26.5 MPa)	D-882
	TD	4844 psi (33.4 MPa)	
Elongation at Break	MD	627%	D-882
	TD	382%	
Vapor Inhibiting Ability (VIA)	-	Pass	NACE TM0208

* Typical values, not meant to be a specification.

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Availability

ZERUST® VCI Film Tote Covers are available in stock and custom options. Contact a ZERUST® account manager for pricing and availability.

Part Number Thickness Quantity

675-F-00003 1.5 mil 100/case

Size Specification:

The ZERUST® ICT® Tote Cover fits most standard tote sizes, including:

14" x 12" (36 cm – 30 cm)

16" x 14" (41 cm – 36 cm)

20" x 14" (51 cm – 36 cm)

22" x 16" (56 cm – 41 cm)

24" x 16" (61 cm – 41 cm)

24" x 18" (61 cm – 46 cm)

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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