

ICT®510-C VCI Weapon Bags

Technical Data Sheet

ZERUST®/EXCOR® ICT®510-C VCI Weapon Bags are specifically designed to protect weapons, including handguns, rifles, and accessories, against corrosion, dust, sand, and humidity damage for years[†] in shipping, storage, and between operations. ZERUST® ICT®510-C Weapon Bags are lightweight, high-strength, and easy to use.

Simply place clean and dry items into the VCI Weapon Bag and tightly close it. Then, the invisible, odorless, and non-toxic ZERUST® Vapor Corrosion Inhibitors (VCI) diffuse from the film and settle onto exposed metal surfaces inside the packaging. Upon removal from the packaging, the VCI will dissipate from the metal surface, allowing immediate use. Engineered for a broad range of weapons, ICT®510-C Weapon Bags are available in a ferrous protection formulation in several sizes, ensuring an ideal packaging solution.

ZERUST® Weapon Protection Bags are made from ZERUST® ICT®510-C poly film—the ZERUST® industrial packaging product that has proven its performance and safety with thousands of customers worldwide for over 50 years. ZERUST® VCI Weapon Bags are deployed in the field today as effective protection from rust and sand for military weapons and other equipment. They are proudly engineered and manufactured in the USA. ZERUST®/EXCOR® offers on-site support and service in more than 70 countries via a network of 21 joint venture partnerships. Check with your ZERUST®/EXCOR® representative for a comprehensive corrosion management solution that is most effective for your metal assets.

Typical Properties

Appearance Typical color is clear to facilitate inspection. Additional colors are available upon request. Subject to order minimums.
 Substrates Available in ferrous protection formulation. Multimetal protection formulation is available upon request.

Property	Direction (Machine or Transverse)	ICT®510-C VCI Weapon Bag*	ASTM Test Method
Film Thickness	-	4 mil (102 µm)	D-6988
Dart Impact Resistance	-	300 g	D-1709
Elmendorf Tear Strength	MD	1100.8 gf	D-1922
	TD	668.8 gf	
Tensile Strength at Break	MD	21.0 MPa (3045 psi)	D-882
	TD	20.1 MPa (2917 psi)	
Elongation at Break	MD	560 %	D-882
	TD	610 %	
Water Vapor Transmission Rate	-	0.06 (g/100 in ² day) @73°F (23°C), 90% RH	F-1249
Vapor Inhibiting Ability (VIA)	-	Pass	NACE TM0208

* Typical values, not meant to be a specification.

This data sheet provides general guidelines for operation, application, and removal. Please contact your ZERUST®/EXCOR® account representative for more specific recommendations on your particular operation and conditions.

Operating Summary

- Always wear clean and dry gloves when handling the weapon or equipment to protect them from corrosion-causing fingerprints.
- Clean your weapon or equipment as you would typically do. Apply light oil coating if desired (optional).
- Ensure that the weapon or equipment is at room temperature and dry. If the weapon sling is wet, remove the sling from the weapon.
- Check that the ICT® Anti-Corrosion Weapon Protection Bag is not ripped or punctured. See added care instructions in the **How to use ZERUST® ICT® Weapon Protection Bags document** for minor repairs.
- Insert the weapon or equipment into the ICT® VCI Weapon Bag.
- Fold over the open end of the bag and tie the ICT® VCI Weapon Bag to close (closure bands provided).
- Store the protected weapon under shelter. The weapon or equipment should be protected from dirt, sand, and corrosion for years[†] as long as it stays in the ZERUST® VCI Weapon Bag.
- Avoid placing metal surfaces in direct contact with wood or cardboard (sources of moisture and acid).

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product information
and photos

Availability

ZERUST®/EXCOR® ICT®510-C VCI Weapon Bags are available in stock and have non-stock options, such as UV and anti-static, subject to minimum order quantities. Contact your ZERUST®/EXCOR® representative for ordering information.

Part Number	Metal Type	Weapon Type	Dimensions W x L x G	Film Thickness	Kit-100 NSN	Quantity
910-F-00007	Ferrous	S (Handgun)	10" x 18"	4 mil	TBD	100/Case
910-F-00006	Ferrous	L (Rifle)	14" x 60"	6 mil	6850-01-590-1665	100/Case

Product is available in rolls of 100 bags.

Protection Info†

Indoor† Protects clean metals for years† when used correctly.
Outdoor† Not recommended

Storage

- Store in a cool, dry place and away from sunlight in the original packaging for up to 3 years from the date of shipment.

Disposal

- Check on options for recycling and incineration.
- Dispose of in accordance with local, national, and international regulations.

Precautions

- Do not use for outdoor protection.
- 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, CLP, and CA WHMIS regulations.
- Refer to the Safety Data Sheet (SDS) for safety information.

† DECLARATION

Corrosion protection claims are based on Northern Technologies International Corporation (NTIC) internal laboratory testing performed under controlled parameters on contaminate-free substrates. Real-world application corrosion protection duration on different substrates will vary and depends on factors such as, but not limited to, the application or use, environmental / storage conditions, surface cleanliness, type of substrates, and coating thickness (where applicable). The use of the term "Up to" in reference to time is defined as any time duration from zero up to a specified time frame, but in no event beyond the specified time frame. The use of the term "for years" is based on NTIC's experience with its products but is in no way guaranteed. The use of the term "Up to" in reference to volume is defined as any volume from zero up to a specified volume but in no event beyond the specified volume of protection. It is the customer's / user's obligation to evaluate product performance, corrosion protection duration, safety, and suitability for intended use within the scope advised in the data sheet and to comply with all applicable laws and regulations. **LIMITED WARRANTY/DISCLAIMER** Warranty is limited to the replacement of a product that fails to meet specifications. For full warranty and disclaimer information, visit www.zerust.com/warranty.

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