ZERUST 🌍 EXCOR

ZERUST® ICT®510C-AN VCI Film Series

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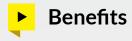
ZERUST[®]/EXCOR[®] ICT[®]510C-AN Film utilizes Volatile Corrosion Inhibitor (VCI) technologies to protect metals in challenging situations. It is effective on metals that may be difficult to protect, such as highly porous and powdered metal parts.

ZERUST®/EXCOR® ICT®510C-AN VCI packaging film series are nitrite-free and non-amine formulated products. They are ideal for the protection of metals in corrosive environments or for metal types susceptible to flash corrosion. Difficult-to-protect surfaces such as cast iron, powdered metal, and machined metal parts benefit from this strong and fast-acting inhibitor. In addition, the product is able to passivate typical levels of corrosion causing-contaminants left on part surfaces from metalworking processes such, as chlorides, nitrates, and sulfides.

ZERUST[®] ICT[®]510C-AN series offer product formulations for specific applications. Reference the product series chart below. For additional protection, the packaging may 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.

Product Series

Product Name	Purpose		
ICT [®] 510C-AN Class SMP	General multimetal protection where there are some concerns with flash corrosion, trace amount of contaminants on metal surfaces, and/or protection in challenging environments (hot and high humidity).		
ICT [®] 510C-AN Class YMP	General protection for non-ferrous only metal components.		
ICT®510C-AN Class PRO	Robust multimetal (and ferrous) protection where there are high concerns with flash corrosion, small amount of contaminants on metal surfaces, and/or protection in aggressive environments (acid gas, hot and high humidity).		



Works quickly to passivate typical corrosive contaminants

Metals are ready for use directly out of the packaging

Provides safe* and effective ZERUST[®] VCI protection.

Recyclable

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.

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Product Information

Description	ZERUST [®] /EXCOR [®] ICT [®] 510C-AN Film Series are polyethylene products compounded with nitrite-free, non-amine volatile corrosion inhibitors.	
Protected Metal Types	ICT®510C-AN Class SMP: Multimetal protection ICT®510C-AN Class YMP: Non Ferrous protection ICT®510C-AN Class PRO: Robust multimetal (and ferrous) protection	
Protection Duration	Protects clean metals for years when used correctly and utilized within three years from receipt. Not intended for outdoor use. Note use in high temperatures will reduce protection life expectancy.	
Storage	Store in original packaging away from direct sunlight in	

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®510C Film*	ASTM Test Method
Film Thickness	-	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%	D-882
Breaking Factor	MD	11.0 lb-f/in (1926 N/m)	D-882
	TD	11.5 lb-f/in (2014 N/m)	D-882
Water Vapor Transmission Rate @78°F (26°C), 90% RH	-	0.06 g/(100 in²/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[®] ICT[®]510C-AN Film Series are custom products with additive options such as UV and anti-static. Contact a ZERUST[®] account manager for pricing and availability.

Typical 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 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.
- The product is nitrite-free. Manufactured on shared equipment that processes nitrites and may contain trace amounts.

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