

# **ZERUST® Product Catalog**



1-800-328-2433

www.Zerust.com



### In Stock ZERUST® Products

ZERUST® understands the importance of a quick turnaround and providing our customers with the products that they need and when they need them. That's why ZERUST® has an inventory of 170+ corrosion inhibiting products in stock and ready for shipment. It's simple, fast, and easy!

next to a part number? Then it's in stock and ready to be shipped immediately from one of our two centrally located warehouses in Circle Pines, MN, and Fort Wayne, IN. Our Circle Pines warehouse primarily stocks our rust preventative coatings, cleaners, rust removers, powder additives, and VCI emitters and diffusers. Our Fort Wayne warehouse stocks our VCI packaging products, including VCI film, bags, sheeting, and VCI paper products.

#### Minimal storage space at your warehouse? We can help!

Blanket orders are available that allow for your product to be stocked at our centrally located warehouse, with multiple scheduled delivery dates over a period of time, to take advantage of our

quantity pricing.

#### **DETAILS**

Simply provide the stock product number and details of your project to your dedicated ZERUST® Customer Service Representative or contact us at 763-225-6600 or email NTICsales@ntic.com.

Don't see the size you need? No problem! We offer custom products as well! See next page.

Place your clean and dry metal assets in ZERUST® VCI products, and your metal parts will remain rust and corrosion-free for years<sup>‡</sup>.

#### **QUOTE**

ZERUST® understands importance of a quick turnaround time, and that's why we are dedicated to providing you with a quote within 1 business day from the time of your inquiry.

### **SHIPPING**

ZERUST® has two centrally located warehouses that allow for fast delivery times across the US. ZERUST® VCI packaging products are shipped from our Fort Wayne, IN warehouse, and ZERUST® diffusers, rust removers, and preventatives are shipped from our Circle Pines, MN warehouse.

#### **ORDER**

All it takes is a PO to get your order started. Email NTICsales@ ntic.com or Fax 763-225-6645 a copy of your company's PO to ZERUST® to get your order started

If your order is submitted before 10 AM CST, we'll have your order shipped out the same day!

1-800-328-2433

## Custom ZERUST® Products

Don't see the specific product you need? No problem, ZERUST® offers a wide range of custom products. Simply provide details of your project to your dedicated ZERUST® Customer Service Representative or contact us at 763-225-6600 or NTICsales@ntic.com, and we'll have your custom quote within 2 business days from the time of your request.

#### Concerned that custom products will raise your cost?

Ordering custom products from ZERUST® typically provides an opportunity for our customers to save on costs, as custom runs typically have minimum order quantities, compared to no minimum on orders from our in stock inventory.

#### Want to avoid large run orders due to minimum space at your warehouse? We can help!

Blanket orders are available on custom orders that allow for your product to be stocked at our centrally located warehouse, with multiple scheduled delivery dates over a period of time, to take advantage of our quantity pricing.



Don't see a stock product that suits your companies needs? No problem, provide the details of your project to your dedicated ZERUST® Customer Service Representative or contact us at 763-225-6600 or NTICsales@ntic.com.

Minimal storage space?
We can help!





### AT YOUR FACILITY

Have minimal storage space at your facility? ZERUST® offers blanket orders that allow you to stock your VCI products at one of our centrally located warehouses and receive multiple delivery dates over a period of time.

CUSTOM PRODUCTS
ICT® Poly (Film, Bags, Sheeting)

ICT® Paper (Rolls and Sheets)

- VCI Diffusers & Emitters
- VCI Additives
- Rust Preventative Coatings

**Rust Removers and Cleaners** 

ZERUST® understands the importance of a quick turnaround time, and that's why we are dedicated to providing you with your custom quote within 2 business days from the time of your

#### **SHIPPING**

After your order is approved by our Quality Control department, ZERUST® will ship your order directly from production to your warehouse.



#### **PRODUCTION**

With ZERUST®'s vast manufacturing network, we have over 100 extrusion lines in manufacturing facilities all across the United States. ZERUST® works on finding the fastest turnaround time possible to meet your needs.

Typical turnaround time 3-4 weeks (includes Quality Control process to ensure you receive a quality product that meets ASTM standards). NTIC is ISO 9001:2015 certified.

All it takes is a PO to get your order started. Email NTICsales@ ntic.com or Fax 763-225-6645 a copy of your company's PO to ZERUST® to get your order started.

**ORDER** 



NTIC operates a quality management system that complies with the requirements of ISO9001:2015 for the design and manufacture of corrosion inhibiting and protective packaging systems.

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- Over 170 products in stock
- Orders placed by 10:00 AM CST are shipped same business day
- No minimum orders
- Blanket orders available
- Custom orders available
- Let us store products for you!

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# ZERUST® ICT® Ferrous VCI Poly Bags

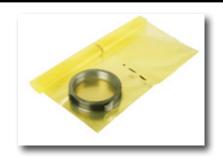
ZERUST®/EXCOR® ICT® Ferrous VCI Bags provide convenient and proven protection against corrosion damage to metals for shipping and storage. They're available in flat, zipper, and gusseted sizes. Typical colors are yellow, green & blue. Custom colors and printing are available upon request.

#### 4 Mil Ferrous Yellow Plain Flat Closure Bags

Part Number	WxL	Quantity	Weight
025-F-00001B	3" x 5"	1,000/case	5 lbs/case
025-F-00001	3" x 5"	5,000/case	20 lbs/case
025-F-00002B	4" x 6"	1,000/case	7 lbs/case
025-F-00002	4" x 6"	2,000/case	13 lbs/case
025-F-00003	6" x 8"	1,000/case	13 lbs/case
025-F-00115	8" x 10"	1,000/case	21 lbs/case
025-F-00006	9" x 12"	1,000/case	29 lbs/case
025-F-00036	10" x 12"	1,000/case	34 lbs/case
025-F-00007	10" x 14"	1,000/case	37 lbs/case
025-F-00046B	12" x 12"	1,000/case	39 lbs/case
025-F-00008	12" x 18"	500/case	29 lbs/case
025-F-00009	18" x 24"	250/case	29 lbs/case
025-F-00371	24" x 30"	150/case	29 lbs/case
025-F-00010	24" x 36"	150/case	35 lbs/case

#### 4 Mil Ferrous Yellow Zipper Bags

Part Number	WxL	Quantity	Weight
050-F-00001B	3" x 5"	1,000/case	5.5 lbs/case
050-F-00001	3" x 5"	5,000/case	22 lbs/case
050-F-00002B	4" x 6"	1,000/case	7.5 lbs/case
050-F-00002	4" x 6"	2,000/case	15 lbs/case
050-F-00003	6" x 8"	1,000/case	15 lbs/case
050-F-00047	8" x 10"	1,000/case	30 lbs/case
050-F-00009	9" x 12"	1,000/case	32 lbs/case
050-F-00021	10" x 12"	1,000/case	34 lbs/case
050-F-00004	12" x 18"	500/case	31 lbs/case
050-F-00048	18" x 24"	250/case	31 lbs/case



### 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 formulations and sizes

Provides safe and effective ZERUST® VCI protection.

#### Recyclable



### •

### 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 of package.

### **Application Type**

Storage Shipping Work in progress

## ZERUST® ICT® Ferrous VCI Poly Bags

#### 2 Mil Ferrous Yellow Gusset Bags

Part Number	WxDxL	Quantity	Weight
075-F-99981	13" x 9" x 16"	1,000/roll	47 lbs/roll
075-F-00321	15" x 9" x 24"	500/case	39 lbs/case
075-F-99978	16" x 13" x 25"	500/roll	49 lbs/roll
075-F-99973	25" x 16" x 33"	250/roll	46 lbs/roll
075-F-00001	48.5" x 42.5" x 60"	100/roll	73 lbs/roll
075-F-00002	48.5" x 42.5" x 90"	70/roll	77 lbs/roll



#### 3 Mil Ferrous Yellow Gusset Bags

Part Number	WxDxL	Quantity	Weight
075-F-00064B	22" x 16" x 30"	250/case	57 lbs/case
075-F-00033	58" x 48" x 90"	35/roll	67 lbs/roll

#### 3.5 Mil Ferrous Yellow Gusset Bags

F	Part Number	WxDxL	Quantity	Weight
THE COLUMN (	075-F-00015	40" x 28" x 60"	50/roll	48 lbs/roll

#### 4 Mil Ferrous Yellow Gusset Bags

Part Number	WxDxL	Quantity	Weight
075-F-00003	26" x 24" x 46"	50/case	28 lbs/case
075-F-99992	34" x 31" x 69"	50/roll	60 lbs/roll
075-F-00027	34" x 33" x 48"	85/roll	74 lbs/roll
075-F-01046	40" x 36" x 80"	25/roll	41 lbs/roll
075-F-99990	51" x 46" x 88"	25/roll	57 lbs/roll
075-F-00349	54" x 44" x 96"	25/roll	63 lbs/roll
075-F-00029B	57" x 48" x 85"	20/roll	48 lbs/roll
075-F-00031	82" x 40" x 79"	25/roll	65 lbs/roll

### 5 Mil Ferrous Yellow Gusset Bags

Par	t Number	$W \times D \times L$	Quantity	Weight
07!	5-F-00019	12" x 11" x 23"	250/case	44 lbs/case
07!	5-F-00020	20" x 17" x 32"	100/roll	39 lbs/roll

### 6 Mil Ferrous Yellow Gusset Bags

Part Number	WxDxL	Quantity	Weight
075-F-00021	31" x 17" x 38"	75/roll	55 lbs/roll

#### ZERUST® ICT® Poly VCI Weapon Bags

ZERUST®/EXCOR® ICT® Poly VCI Weapon Bags provide protection against corrosion, dust, sand, and humidity for weapons and accessories in shipping, storage, and in-between operations.

	Part Number	WxL	Mil	Quantity	Weight
III.	910-F-00006-KIT-100	14" x 60" (rifle)	6	100/case	35 lbs/case
	910-F-00007-KIT-100	10" x 18" (handgun)	4	100/case	6 lbs/case

### Custom Options

ZERUST®/EXCOR® ICT®510-C VCI Film Bags are available in many custom options such as UV, slip, anti-block, anti-static, printing, and color.

#### Size Range (width):

2" - 125" (flat)

2" - 150" (gusset)



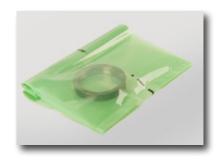


## ZERUST® ICT® Multimetal VCI Bags

ZERUST®/EXCOR® ICT® Multimetal VCI Bags provide convenient and proven protection against corrosion damage to metals for shipping and storage. They are available in flat, zipper, and gusseted sizes. Typical colors are green, blue, and yellow. Custom colors and printing are available upon request.

#### 4 Mil Multimetal Green Plain Closure Flat VCI Bags

Part Number	WxL	Quantity	Weight
025-M-00021	6" x 8"	1,000/case	13 lbs/case
025-M-00022	8" x 10"	1,000/case	21 lbs/case
025-M-00037	10" x 12"	1,000/case	34 lbs/case
025-M-00153	12" x 12"	1,000/case	39 lbs/case
025-M-00023	12" x 18"	500/case	29 lbs/case
025-M-00025	18" x 24"	250/case	29 lbs/case
025-M-00026	24" x 36"	150/case	35 lbs/case
025-M-00027	36" x 48"	75/case	35 lbs/case



### 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 formulations and sizes

Provides safe and effective ZERUST® VCI protection.

Recyclable

#### **Multimetal Green Gusset VCI Bags**

Part Number	WxDxL	Mil	Quantity	Weight
075-M-00002	34" x 33" x 66"	3	85/roll	76 lbs/roll
075-M-00038	23" x 17" x 36"	4	100/roll	39 lbs/roll
075-M-00182	30" x 21" x 40"	4	120/roll	67 lbs/roll
075-M-00122	54" x 44" x 96"	4	25/roll	63 lbs/roll
075-M-00010	67" x 50" x 72"	4	35/roll	79 lbs/roll
075-M-00179	70" x 60" x 100"	4	15/roll	54 lbs/roll
075-M-00215	40" x 36" x 80"	4	25/roll	43 lbs/roll



### 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 of package.

### **Application Type**

Storage Shipping Work in progress

# ZERUST® ICT® Multimetal VCI Bags

#### 4 Mil Multimetal Blue Plain Closure Flat VCI Bags

Part Number	WxL	Quantity	Weight
025-M-00691	3" x 5"	1,000/case	5 lbs/case
025-M-00167	4" x 6"	2,000/case	13 lbs/case
025-M-00141	6" x 8"	1,000/case	13 lbs/case
025-M-00693	8" x 8"	1,000/case	17 lbs/case
025-M-00146	9" x 12"	1,000/case	29 lbs/case
025-M-00694	12" x 12"	1,000/case	39 lbs/case
025-M-00695	12" x 18"	500/case	29 lbs/case
025-M-00169	18" x 24"	250/roll	29 lbs/roll
025-M-00696	24" x 36"	150/case	35 lbs/case



### 4 Mil Multimetal Blue Zipper VCI Bags

Part Number	WxL	Quantity	Weight
050-M-00006	3" x 5"	1,000/case	5.5 lbs/case
050-M-00007	4" x 6"	1,000/case	7.5 lbs/case
050-M-00008	6" x 8"	1,000/case	15 lbs/case
050-M-00009	12" x 18"	500/case	31 lbs/case



#### 4 Mil Multimetal Blue Gusseted VCI Bags

Part Number	$W \times D \times L$	Quantity	Weight
075-M-00246	54" x 44" x 96"	25/roll	63 lbs/roll
075-M-01510	35" x 35" x 72"	40/roll	54 lbs/roll
075-M-01509	14" x 10" x 25"	250/roll	40 lbs/roll
075-M-01511	48" x 42" x 60"	30/roll	44 lbs/roll



### Recyclable

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

ZERUST®/EXCOR® ICT® VCI Film and Sheeting provides cost-effective and versatile protection against corrosion damage for metals in shipping and storage. It's available in ferrous, non-ferrous, and multimetal protection types and in various sized rolls, sheets, tubing, and bags.

### ZERUST® ICT®510-C 4 Mil Sheeting

Part Number	WxL	Weight	Туре
100-F-00002	36" x 500'	29 lbs/roll	Ferrous, yellow
100-F-00064	72" x 500'	58 lbs/roll	Ferrous, yellow
100-F-00081	12′ x 250′	67 lbs /roll	Ferrous, yellow
100-M-00045	48" x 500'	38 lbs/roll	Multimetal, blue



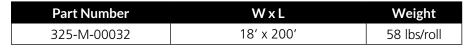
#### ZERUST® ICT® 510-C 4 Mil Ferrous Tubing

Part Number	W×L	Max Part Diameter (Fits up to)*	Weight
200-F-00005	4" x 1,500'	2"	19 lbs/roll
200-F-00006	6" x 500' (4 rolls/case)	3"	39 lbs/case
200-F-00007	8" x 500'	4"	13 lbs/roll
200-F-00052	12" x 1,000'	6"	39 lbs/roll
200-F-00069	16" x 500'	9"	26 lbs/roll
200-F-00012	24" x 500'	13"	39 lbs/roll
200-F-00001	36" x 500'	20"	58 lbs/roll
200-F-00002	48" x 500'	28"	77 lbs/roll
	200-F-00005 200-F-00006 200-F-00052 200-F-00069 200-F-00012 200-F-00001	200-F-00005 4" x 1,500' 200-F-00006 6" x 500' (4 rolls/case) 200-F-00007 8" x 500' 200-F-00052 12" x 1,000' 200-F-00069 16" x 500' 200-F-00012 24" x 500' 200-F-00001 36" x 500'	Part Number         W x L         Diameter (Fits up to)*           200-F-00005         4" x 1,500'         2"           200-F-00006         6" x 500' (4 rolls/case)         3"           200-F-00007         8" x 500'         4"           200-F-00052         12" x 1,000'         6"           200-F-00069         16" x 500'         9"           200-F-00012         24" x 500'         13"           200-F-00001         36" x 500'         20"           200-F-00002         48" x 500'         28"



#### ZERUST® ICT® 520-HS 3.2 Mil High-Strength Sheeting

ZERUST®/EXCOR® ICT®520-HS High-Strength VCI Film and Sheeting is a special, lightweight, and durable VCI film that provides robust and powerful corrosion protection as well as physical protection from the environment. ICT®520-HS VCI film is less likely to puncture or tear compared with traditional polyethylene film, so it's especially suited for applications that have demanding corrosion protection requirements. Use to protect export shipments and items that are heavy or with rough edges.



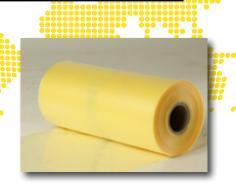


<sup>\*</sup> Due to the nature of film blowing/extruding, it's possible that tubing sizes may vary in size by +/- 10%. ZERUST® recommends requesting samples in order to confirm all dimensions prior to placing an order. The max part diameter may also vary due to the nature of your part (metal finish (rough/smooth), shape (sharp edges), and rust preventatives/coatings).

#### ZERUST® ICT®510-CLHD High-Density Ferrous Film

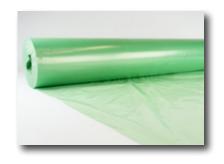
ZERUST®/EXCOR® ICT®510-CLHD High-Density Ferrous VCI Film is a high-density packaging film, making it lightweight yet strong. Use CLHD film for interleaving purposes, to laminate other materials, or as a replacement for VCI kraft paper during shipment, storage, or work in progress.

	Part Number	WxL	Mil	Quantity	Weight
TIEIT Seus	150-F-00175	13" x 12"	1	4,000 sheets (x 2 rolls)	42 lbs/case
UIISI Exc	150-F-00166	48" x 56"	1.25	500 sheets/roll	57 lbs/roll
UI SI	150-F-00005	36" x 36"	1.5	750 sheets/roll	49 lbs/roll
UI SI	150-F-00163	42" x 42"	1.5	500 sheets/roll	44 lbs/roll
WENT CONTRACTOR	100-F-00009	48" x 2,000'	1.5	1 roll	58 lbs/roll



#### ZERUST® ICT®510-CLHD High-Density Multimetal Sheeting

Part Number	WxL	Mil	Quantity	Weight
150-M-00001	36" x 36"	1.5	750 sheets/roll	49 lbs/roll



#### ZERUST® ICT® VCI Tote Covers with Elastic Band

ZERUST®/EXCOR® ICT® VCI Tote Covers are a convenient packaging product made of ZERUST® ICT®510-CLHD Ferrous VCI Film with an elastic band and designed to fit over work totes. They protect ferrous metal parts from corrosion and dust while keeping them visible and easy to access.

Part Number	WxL	Mil	Quantity	Weight
675-F-00003	30" x 30"	1.5	100/case	8 lbs/case



### 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 of package.

### **Application Type**

Storage Shipping Work in progress

#### ZERUST® ICT®510-SM VCI Stretch Film

ZERUST®/EXCOR® ICT®510-SM VCI Stretch Film is a high-quality cast film packaging product that protects metals from corrosion. The film's high-stretch tension enables it to form to irregularly shaped objects. Its superior elastic stretch memory assures load stability in transit and tear resistance. It maintains a tight wrap even with some abrasion and random cuts. Use ZERUST® VCI Stretch Film to wrap pallet loads, bundles, large items, or irregularly shaped metal items such as gears or entire machines. Smaller rolls are also available for hand-stretch applications.



Part Number	WxL	Mil	Weight	Туре
250-F-00006	4" x 667' (12 rolls/case)	1.25	19 lbs/case	Hand, ferrous, yellow
250-F-00002	20" x 4,000'	1.25	40 lbs/roll	Machine, ferrous, yellow
250-M-00004	20" x 4,500'	1	36 lbs/roll	Machine, multimetal, blue
250-M-00005	18" x 1500' (4 rolls/case)	1	47 lbs/case	Hand, multimetal, blue

#### ZERUST® ICT®510-SRK Shrink VCI Film

ZERUST®/EXCOR® ICT®510-SRK Shrink VCI Film is a polyethylene shrink film impregnated with ICT® Vapor Corrosion Inhibitors that provide superior corrosion protection to parts and components within the automotive, electrical, machinery, mechanical and military industries. When this film is subjected to heat, it shrinks tightly around the item it is encasing, providing a contoured fit and VCI protection. ZERUST® ICT®510-SRK Film is available in ferrous, non-ferrous, and multimetal corrosion protection formulations.



Part Number	WxL	Mil	Weight	Type
100-F-00010	20' x 100'	4	39 lbs/roll	Indoor, ferrous, yellow
100-M-00007	20' x 100'	4	39 lbs/roll	Indoor, multimetal, green
100-F-00004	48" x 500'	4	38 lbs/roll	Indoor, ferrous, yellow
100-F-00084	20' x 100'	6	58 lbs/roll	Indoor, ferrous, yellow

#### ZERUST® ICT® 510-OPS Outdoor Preservation VCI Shrink Film

ZERUST®/EXCOR® ICT®510-OPS Outdoor Preservation VCI Shrink Film is a premium 8-mil, high strength shrink film with UV stabilizers for up to 3 years‡ of outdoor protection. The film shrinks and conforms to objects when heated to repel moisture and contaminants. This specially designed VCI shrink film is ideal for lay-up and mothballing of equipment, vehicles, and outdoor storage of components, as the ZERUST® VCI saturates the interior of the packaging to protect hard-to-reach spaces and voids from corrosion.



Part Number	WxL	Mil	Weight	Туре
100-F-00077	40" x 425'	8	55 lbs/roll	Outdoor, 3 yr UVI, ferrous, clear
100-F-00070	20' x 100'	8	78 lbs/roll	Outdoor, 3 yr UVI, ferrous, gray
250-X-00007	4" x 108'	6	12 rolls/16 lbs	2 yr UVI - Gray OPS Tape
250-X-00008	6" x 108'	6	8 rolls/17 lbs	2 yr UVI - Gray OPS Tape

#### ZERUST® ICT® 570 Closed-Cell VCI Foam Sheeting

ZERUST®/EXCOR® ICT®570 Closed-Cell VCI Foam Sheeting is a lightweight and resilient packaging material that prevents rust using proven ZERUST® Vapor Corrosion Inhibitors. Use ZERUST® ICT®570-CC VCI Foam Sheeting to protect products and parts in shipping, as it conforms to most shapes without adding extra weight, helping to reduce the risk of damage in transit.



<b>Part Number</b>	WxL	Thickness	Weight	Туре
575-F-00004	72" x 550'	1/8"	58 lbs/roll	Ferrous, yellow

#### ZERUST® ICT® 520-SRA VCI Plastic Scrim

ZERUST®/EXCOR® ICT®520-SRA VCI Plastic Scrim is a durable polyethylene fabric that consists of woven strands for strength and tear resistance, as well as ZERUST® VCI protection. Use ICT®520-SRA VCI Scrim to provide corrosion protection when stacking parts, transporting multiple parts together, or as a liner in shelving units. It's also ideal for wrapping and protecting large, heavy objects such as steel coils, lathes, and molds.



Part Number	WxL	Weight	Туре
600-F-00004	48" x 200 Yards	60 lbs/roll	Ferrous, yellow

#### ZERUST® ICT® 510-MSF VCI Masking Film

ZERUST®/EXCOR® ICT®510-MSF VCI Masking Film is a pressure-sensitive adhesive film. It protects from scratches and dust, as well as corrosion. The film removes cleanly and does not leave a residue. Use the film to protect molds and parts with void spaces while they move among different production stages and storage and shipping. The film clings to vertical surfaces and stays securely in place until it is removed.

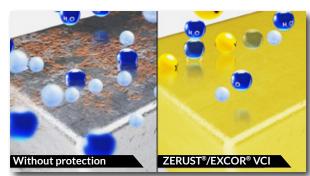


Part Number	WxL	Mil	Weight	Туре
100-F-00085	10" x 500'	3	22 lbs/case <sup>(2 rolls/case)</sup>	Ferrous, blue

#### What is VCI?

VCI is an abbreviation for Vapor Corrosion Inhibitor or Volatile Corrosion Inhibitor. VCIs are molecules that inhibit corrosion by forming a thin, protective layer on a metal surface within an enclosed space. This invisible layer prevents moisture and environmental elements from reacting with the metal surface and causing corrosion. The molecules dissipate when the enclosure is opened and do not need to be removed.

"In effect, the ZERUST® VCI corrosion protection applies and removes itself."



## ZERUST® ICT® VCI Kraft Paper

#### ZERUST® ICT® 420 Multimetal VCI Kraft Paper

Use ZERUST®/EXCOR® ICT®420 VCI Kraft Paper to wrap and protect metals in shipment or storage. The paper is bio-based, recyclable, and biodegradable and is ideal for interleaving applications. Available in stock 30#, 35#, and 60# rolls, 35# pre-cut sheets, and additional sizes and weights between 30# and 170# are available upon request.

Part Number	WxL	Paper Weight	Weight
310-M-00024	36" x 200 Yards	30#	22 lbs/roll
310-M-00073	48" x 200 Yards	30#	28 lbs/roll
300-M-00005	36" x 200 Yards	35#	25 lbs/roll
300-M-00006	48" x 200 Yards	35#	32 lbs/roll
300-M-00032	12" x 12" Sheets (2,000 sheets/case)	35#	25 lbs/case
313-M-00024	36" x 200 Yards	60#	41 lbs/roll
313-M-00020	48" x 200 Yards	60#	54 lbs/roll



#### ZERUST® ICT® 420-35P 35# Ferrous VCI Poly Kraft Paper

ZERUST®/EXCOR® ICT®420-35P is a kraft packaging paper coated with a polyethylene layer containing ZERUST® Vapor Corrosion Inhibitors (VCIs). ZERUST® VCI Poly Kraft Paper provides powerful corrosion protection to ferrous metals such as iron, cast iron, and steel. Available upon request in cut sheets. Place the poly side toward the metal surface for ferrous VCI corrosion protection.

Part Number	WxL	Paper Weight	Mil	Weight
300-F-00024	24" x 200 Yards	35#	1	44 lbs/case <sup>(2 rolls/case)</sup>
300-F-00002	36" x 200 Yards	35#	1	35 lbs/roll
300-F-00025	48" x 200 Yards	35#	1	44 lbs/roll



#### ZERUST® ICT® 430-35PCR Multimetal Poly Coated Reinforced VCI Paper

ZERUST®/EXCOR® ICT®430-35PCR VCI Paper is a high-quality 35# kraft paper that is saturated on one side with proven ZERUST® corrosion inhibitors and laminated with a 3/4 mil polyethylene layer and fiberglass scrim on the backside to provide superior strength. ICT®430-35PCR protects ferrous, non-ferrous, and multimetal parts.

Part Number	WxL	Paper Weight	Mil	Weight
300-M-00312	48" x 200 Yards	35#	3/4	48 lbs/roll
300-M-00319	24" x 200 Yards	35#	3/4	48 lbs/case <sup>(2 rolls/case)</sup>



All paper exceeds 3Ab Mil-PRF-3420 performance requirements

## ZERUST® ICT® VCI Kraft Paper

#### ZERUST® ICT®432-35P Multimetal Poly VCI Kraft Paper

ZERUST® ICT®432-35P is a kraft packaging paper containing ZERUST® Vapor Corrosion Inhibitors and coated with a 3/4 mil plain polyethylene layer. The plain polyethylene coating provides the kraft paper with increased tear and moisture resistance. Place the paper side toward the metal surface for ferrous, non-ferrous, and multimetal VCI corrosion protection.

Part Number	WxL	Paper Weight	Mil	Weight
300-M-00356	24" x 200 Yards	35#	3/4	38 lbs/case <sup>(2 rolls/case)</sup>
300-M-00357	36" x 200 Yards	35#	3/4	28 lbs/roll
300-M-00358	48" x 200 Yards	35#	3/4	38 lbs/roll



#### ZERUST® ICT® 427 Premium Multimetal VCI Kraft Paper

ZERUST®/EXCOR® ICT®427 Premium VCI Kraft Paper is formulated to provide more robust corrosion protection for demanding situations such as high humidity and for challenging metal parts. Use ZERUST® Premium VCI Paper in interleaving applications and to wrap and protect metals in shipment or storage.

Part Number	WxL	Paper Weight	Weight
300-M-00389PR	36" x 200 Yards	35#	25 lbs/roll





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 of package.

### **Application Type**

Storage Shipping Work in progress

### **ZERUST®** Rust Preventative Greases

ZERUST® offers a full line of corrosion inhibitor liquids that complement our VCI packaging solutions. ZERUST® rust preventatives and coatings range from water-based solutions to dry to touch oils to thick greases.

#### ZERUST® Axxanol™ Spray-G Multimetal Grease Rust Preventative

ZERUST®/EXCOR® Axxanol™ Spray-G provides the protection of a grease in the convenience of a sprayable form. It outperforms many other rust preventative coatings while being easier to apply and remove, saving time and costs associated with corrosion control. The product has an oily grease consistency and provides advanced corrosion protection for parts and equipment for up to 1 year\* outdoors and 2 years\* indoors.

Part Number	Product	Туре	Quantity
350-M-00023AC	Axxanol™ Spray-G	Aerosol sprayable grease	12 oz <sup>(12 cans/case)</sup>
350-M-00023PL	Axxanol™ Spray-G	Sprayable grease	5 gal
350-M-00023DR	Axxanol™ Spray-G	Sprayable grease	55 gal





#### **Benefits**

Superior corrosion protection

Long-term protection

Multipurpose lubricant grease

Safe and non-hazardous disposal

Easy to apply and remove

#### ZERUST® Axxanol™ Z-Maxx Series Multimetal Grease Rust Preventatives

ZERUST®/EXCOR® Axxanol™ Z-Maxx Series are anti-corrosion greases ideal for protecting bare-metal parts and components of machinery and equipment in extreme weather and salt-air conditions. Z-Maxx Series can be used for protecting parts during operation or long-term storage for up to 1 year<sup>‡</sup> outdoors and 3 years<sup>‡</sup> indoors.

Part Number	Product	Туре	Quantity
360-M-00001PL	Axxanol™ Z-Maxx	Thick grease	5 gal
360-M-00001DR	Axxanol™ Z-Maxx	Thick grease	55 gal
360-M-00002PL	Axxanol™ Z-Maxx LV	Thin grease	5 gal
360-M-00002DR	Axxanol™ Z-Maxx LV	Thin grease	55 gal



### **•**

### Safety

Product in unopened original container prior to use does not meet criteria for hazardous waste according to 40 CFR 261 (no components listed on F, K, P or U lists; not ignitable, not corrosive, not reactive and not toxic).

### **Application Type**

Storage
Shipping
During operation
May be used with ZERUST®
VCI packaging products

## ZERUST® Oil-Based Rust Preventatives

#### ZERUST® Axxanol™ 33 Multimetal Rust Preventative Oil

ZERUST®/EXCOR® Axxanol™ 33 is an oil-based corrosion preventive coating that is widely used as a replacement for standard oil in dipping applications. Axxanol™ 33 is a rust preventative for ferrous and some non-ferrous metals, including aluminum, zinc, and copper, for up to 12 months<sup>‡</sup> under shelter.

Part Number	Product	Туре	Quantity
350-M-00003PL	Axxanol™ 33	Thin oil	5 gal
350-M-00003DR	Axxanol™ 33	Thin oil	55 gal



#### ZERUST® Axxanol™ 750 Multimetal Rust Preventative Oil

ZERUST®/EXCOR® Axxanol™ 750 rust preventative oil offers sprayable protection with Vapor Corrosion Inhibitors (VCIs) for metals shipped or stored in enclosed packaging. It provides robust corrosion protection to metal surfaces as well as in hard-to-reach voids, crevices, and chambers for years‡ when packaged or hermetically sealed.

Part Number	Product	Туре	Quantity
350-M-00019PL	Axxanol™ 750	VCI oil	5 gal
350-M-00019DR	Axxanol™ 750	VCI oil	55 gal



#### ZERUST® Axxanol™ 750-NV Multimetal Rust Preventative Oil

ZERUST®/EXCOR® Axxanol™ 750-NV rust preventative oil provides robust corrosion protection to metal surfaces in an easy-to-use oil-based corrosion preventative coating. It offers corrosion protection for multimetals for up to 2 years<sup>‡</sup> indoors.

Part Number	Product	Туре	Quantity
350-M-00033PL	Axxanol™ 750-NV	Clear thin oil	5 gal
350-M-00033DR	Axxanol™ 750-NV	Clear thin oil	55 gal



## **ZERUST® Oil-Based Rust Preventatives**

#### ZERUST® Axxanol™ 46-Bio Multimetal Bio-Based Rust Preventative Oil

ZERUST®/EXCOR® Axxanol™ 46-Bio is a bio-based, sprayable corrosion inhibitor preservative in the form of a light lubricant oil. It offers corrosion protection on exposed surfaces as well as in crevices and recesses for iron, steel, aluminum, and related alloys for up to 1 year<sup>‡</sup> indoors.

	Part Number	Product	Type	Quantity
UI STORY	350-M-00011GL	Axxanol™ 46-Bio	Bio-based oil	1 gal <sup>(4 bottles/case)</sup>
UISTORY.	350-M-00011PL	Axxanol™ 46-Bio	Bio-based oil	5 gal
	350-M-00011DR	Axxanol™ 46-Bio	Bio-based oil	55 gal



#### ZERUST® Axxanol™ A35-30 Multimetal Rust Preventative Oil

ZERUST®/EXCOR® Axxanol™ A35-30 is a highly effective oil-based non-staining (based on internal QUV testing) rust preventative designed to safeguard ferrous and multimetal surfaces from harsh environmental conditions for up to 1 year‡ when used indoors.

Part Number	Product	Туре	Quantity
350-M-00098PL	Axxanol™ A35-30	Non-staining oil	5 gal
350-M-00098DR	Axxanol™ A35-30	Non-staining oil	55 gal



### Safety

Product in unopened original container prior to use does not meet criteria for hazardous waste according to 40 CFR 261 (no components listed on F, K, P or U lists; not ignitable, not corrosive, not reactive and not toxic).

### **Application Type**

Storage
Shipping
During operation
May be used with ZERUST®
VCI packaging products

## ZERUST® Solvent-Based Rust Preventatives

#### ZERUST® Axxanol™ 33CD Multimetal Rust Preventative Oil

ZERUST®/EXCOR® Axxanol™ 33CD is a solvent-based rust preventive coating that dries to the touch, eliminating oily surfaces that can attract dust and contaminants. This coating protects up to 6 months<sup>‡</sup> under shelter or can be used with ZERUST® VCI packaging for long-term protection.

Part Number	Product	Туре	Quantity
350-M-00010PL	Axxanol™ 33CD	Dry-to-touch oil	5 gal
350-M-00010DR	Axxanol™ 33CD	Dry-to-touch oil	55 gal



#### ZERUST® Axxanol™ 33CD-HF High-Flash Multimetal Rust Preventative Oil

ZERUST®/EXCOR® Axxanol™ 33CD-HF is a solvent-based high-flash point rust preventive coating that dries to the touch, eliminating oily surfaces that can attract dust and contaminants. This coating protects up to 6 months⁺ under shelter or can be used with ZERUST® VCI packaging for long-term protection.

Part Number	Product	Туре	Quantity
350-M-00076PL	Axxanol™ 33CD-HF	High-flash dry-to-touch oil	5 gal
350-M-00076DR	Axxanol™ 33CD-HF	High-flash dry-to-touch oil	55 gal



#### ZERUST® Axxanol™ 34CD Multimetal Rust Preventative Oil

ZERUST®/EXCOR® Axxanol™ 34CD is a solvent-based rust preventive coating that leaves a very light, oily film on the protected surface. This coating protects up to 1 year<sup>‡</sup> under shelter or can be used with ZERUST® VCI packaging for long-term protection.

Part Number	Product	Туре	Quantity
350-M-00012PL	Axxanol™ 34CD	Very thin oil	5 gal
350-M-00012DR	Axxanol™ 34CD	Very thin oil	55 gal



### **ZERUST® Solvent-Based Rust Preventatives**

#### ZERUST® Axxanol™ 34CD-HF High-Flash Multimetal Rust Preventative Oil

ZERUST®/EXCOR® Axxanol™ 34CD-HF is a solvent-based high-flash point rust preventive coating that leaves a very light, oily film on the protected surface. This coating protects up to 1 year<sup>‡</sup> under shelter or can be used with ZERUST® VCI packaging for long-term protection.

Part Number	Product	Туре	Quantity
350-M-00075PL	Axxanol™ 34CD-HF	Very thin high-flash oil	5 gal
350-M-00075DR	Axxanol™ 34CD-HF	Very thin high-flash oil	55 gal



#### ZERUST® Axxanol™ A35CD-32 Multimetal Rust Preventative Oil

ZERUST®/EXCOR® Axxanol™ A35CD-32 is a solvent-based rust preventative that leaves a near dry-to-touch film on the protected surface. It provides powerful corrosion protection against aggressive environments such as humidity and salty aerosols for multimetal types for up to 1 year<sup>‡</sup>.

Part Number	Product	Туре	Quantity
350-M-00082PL	Axxanol™ A35CD-32	Near dry-to-touch oil	5 gal
350-M-00082DR	Axxanol™ A35CD-32	Near dry-to-touch oil	55 gal



#### ZERUST® Axxanol™ A35CD-7 Multimetal Rust Preventative Oil

ZERUST®/EXCOR® Axxanol™ A35CD-7 is a solvent-based rust preventative coating that dries to the touch, eliminating oily surfaces that attract dust and other contaminants. This dry-to-touch coating protects multimetal surfaces from rust and corrosion for up to 6 months<sup>‡</sup> under shelter.

Part Number	Product	Туре	Quantity
350-M-00091PL	Axxanol™ A35CD-7	Dry-to-touch oil	5 gal
350-M-00091DR	Axxanol™ A35CD-7	Dry-to-touch oil	55 gal



## ZERUST® Solvent-Based Rust Preventatives

#### ZERUST® Axxanol™ 718-ESS Multimetal Electric Rust Preventative Spray

ZERUST®/EXCOR® Axxanol™ 718-ESS is a multimetal electrical corrosion inhibitor spray designed for challenging environments where acid gas vapors and humidity are present. Axxanol™ 718-ESS works well on most metals typically used in electrical and electronic cabinets as well as junction boxes such as aluminum, copper, tin, ferrous, and brass.

	Part Number	Product	Туре	Quantity
	350-M-00092PT	Axxanol™ 718-ESS	Electrical spray	16 oz bottles (w/ spray nozzles) (12/case)
T T	350-M-00092AC	Axxanol™ 718-ESS	Electrical spray	12 oz aerosol cans (12/ case)



#### ZERUST® AxxaCoat™ 90B HFS Multimetal Outdoor Rust Preventative

ZERUST®/EXCOR® AxxaCoat™ 90B HFS is a sprayable high-flash rust-preventative coating designed to protect metal parts and assemblies during long-term indoor and outdoor storage and challenging overseas shipping applications where a tough yet removable coating is essential.

	Part Number	Product	Туре	Quantity
			Sprayable high-flash outdoor coating	5 gal
TI SI	350-M-00077DR	AxxaCoat™ 90B HFS	Sprayable high-flash outdoor coating	55 gal



#### ZERUST® AxxaCoat™ 93B HFS Multimetal Outdoor Rust Preventative

ZERUST®/EXCOR® AxxaCoat™ 93B HFS is a sprayable high-flash rust-preventative coating designed to protect large surfaces, such as storage tank walls, pipelines, building infrastructures, bridges, etc., during operation and downtime where a tough yet removable coating is essential.

Part Number	Product	Туре	Quantity
350-M-00090PL	AxxaCoat™ 93B HFS	Sprayable high-flash outdoor coating	5 gal
350-M-00090DR	AxxaCoat™ 93B HFS	Sprayable high-flash outdoor coating	55 gal



#### **ZERUST®** Axxatec™ 77C Multimetal Rust Preventative

ZERUST®/EXCOR® Axxatec™ 77C is an easy-to-use, water-dilutable corrosion preventive concentrate that contains our proven ICT® corrosion inhibiting technology. Axxatec™ 77C protects iron, steel, aluminum, brass, copper, and zinc for up to 1 month‡ under shelter.

Part No	Part Number Product		Туре	Quantity
350-M-0	0004PL	Axxatec™ 77C	Multimetal concentrate	5 gal
350-M-0	0004DR	Axxatec™ 77C	Multimetal concentrate	55 gal



#### ZERUST® Axxatec™ 8110C Multimetal Rust Preventative

ZERUST®/EXCOR® Axxatec™ 8110C is an easy-to-use corrosion inhibiting additive that contains proven ICT® corrosion inhibiting technology. Axxatec™ 8110 is designed for use in closed systems, such as water cooling and hydraulic systems, and will protect for up to 1 year<sup>‡</sup>.

Part Number	Product	Туре	Quantity
350-M-00005PL	Axxatec <sup>™</sup> 8110C	Multimetal additive	5 gal
350-M-00005DR	Axxatec <sup>™</sup> 8110C	Multimetal additive	55 gal



#### ZERUST® Axxatec™ 80C Ferrous Rust Preventative

ZERUST®/EXCOR® Axxatec™ 80C is a water-based rust preventative liquid that protects ferrous metals for months<sup>‡</sup> under shelter. It can be applied by spray, brush, or dip and leaves a clear and dry to the touch protective coating.

Part Number	Product	Туре	Quantity
350-F-00005PL	Axxatec™ 80C	Ferrous concentrate	5 gal
350-F-00005DR	Axxatec™ 80C	Ferrous concentrate	55 gal



#### ZERUST® Axxatec™ DA-23C Dual-Action Ferrous Cleaner/Rust Preventative

ZERUST®/EXCOR® Axxatec™ DA-23C is an water-based, no foam, liquid concentrate rust preventative and light-duty cleaner providing superb oilsplitting performance. Axxatec™ DA-23C is designed to provide several months<sup>‡</sup> of indoor storage and in-transit protection.

Part Number			Quantity
350-F-00054PL	Axxatec™ DA-23C	Ferrous concentrate	5 gal
350-F-00054DR	Axxatec™ DA-23C	Ferrous concentrate	55 gal



#### ZERUST® Axxatec™ DA-40AL Dual-Action Ferrous Cleaner/Rust Preventative

ZERUST®/EXCOR® Axxatec™ (Dual-Action) DA-40AL is a water-based, low-foaming rust preventative and multimetal light-duty cleaner liquid concentrate designed to provide up to 3 months⁺ of indoor storage and in-transit protection for ferrous metals.

Part Number	Product	Туре	Quantity
350-F-00096PL	Axxatec™ DA-40AL	Ferrous concentrate	5 gal
350-F-00096DR	Axxatec™ DA-40AL	Ferrous concentrate	55 gal



#### ZERUST® Axxatec™ 30C Ferrous Rust Preventative/Light-Duty Cleaner

ZERUST®/EXCOR® Axxatec™ 30C is an water-based low-foaming liquid concentrate rust preventative providing several months<sup>‡</sup> of indoor protection. Depending on the situation or application, Axxatec™ 30C may also be used as a light-duty cleaner-rust preventative combination product.

Part Number Product		Туре	Quantity
350-F-00052PL	Axxatec <sup>™</sup> 30C	Ferrous concentrate	5 gal
350-F-00052DR	Axxatec™ 30C	Ferrous concentrate	55 gal



#### ZERUST® Axxatec™ 48C Multimetal Rust Preventative

ZERUST®/EXCOR® Axxatec<sup>™</sup> 48C is a water-based rust preventative liquid concentrate for the protection of ferrous, aluminum, and yellow metals for up to 6 months $^{\ddagger}$  during indoor storage, shipping, and assembly. Applied at 3 – 10% dilution, it leaves a clear, dry-to-touch protective coating after drying.

Part Number Product		Туре	Quantity
350-M-00097PL	Axxatec™ 48C	Multimetal concentrate	5 gal
350-M-00097DR	Axxatec <sup>™</sup> 48C	Multimetal concentrate	55 gal



#### **ZERUST®** Axxatec<sup>™</sup> 85-F Ferrous Rust Preventative

ZERUST®/EXCOR® Axxatec™ 85-F is a foggable water-based rust preventative liquid that protects ferrous metals via contact inhibitors and proven ZERUST® VCI technology for up to 5 years<sup>‡</sup> when packaged in VCI.

Part Number	Product	Туре	Quantity
350-F-00009PL	Axxatec™ 85-F	Ferrous ready to use w/ VCI	5 gal
350-F-00009DR	Axxatec™ 85-F	Ferrous ready to use w/ VCI	55 gal



#### ZERUST® Axxatec™ 87-M Multimetal Rust Preventative

ZERUST®/EXCOR® Axxatec™ 87-M is a water-based rust preventative liquid designed for fogging and spraying applications and protects ferrous and multimetals via contact inhibitors and proven ZERUST® VCI technology for up to 5 years<sup>‡</sup> in hermetically sealed spaces or ZERUST® VCI packaging.

	Part Number	Product	Туре	Quantity
	350-M-00029PL	Axxatec™ 87-M	Multimetal ready to use w/ VCI	5 gal
3	350-M-00029DR	Axxatec™ 87-M	Multimetal ready to use w/ VCI	55 gal



#### ZERUST® Axxatec™ 87-MB Multimetal Rust Preventative®

ZERUST®/EXCOR® Axxatec™ 87-MB Series is foggable water-based rust preventative liquid that protects ferrous, aluminum metals via contact inhibitors and proven ZERUST® VCI technology for up to 5 years<sup>‡</sup> in hermetically sealed spaces or ZERUST® VCI packaging.

Part Number	Product	Туре	Quantity
350-M-00081PL	Axxatec™ 87-MB	Multimetal ready to use w/ VCI	5 gal
350-M-00081DR	Axxatec™ 87-MB	Multimetal ready to use w/ VCI	55 gal



#### ZERUST® Axxatec™ 87-MW3 Series Multimetal Rust Preventative

ZERUST®/EXCOR® Axxatec™ 87-MW3 is a winterized foggable water-based rust preventative that offers a lower freezing point for cold weather applications. It protects ferrous and aluminum metals via contact inhibitors and proven ZERUST® VCI technology for up to 5 years<sup>‡</sup> in hermetically sealed spaces or ZERUST® VCI packaging.

Part Number	Product	Туре	Quantity
350-M-00085PL	Axxatec <sup>™</sup> 87-MW3	Winterized multimetal compatible	5 gal
350-M-00085DR	Axxatec <sup>™</sup> 87-MW3	Winterized multimetal compatible	55 gal



# ZERUST® Oil Additives

#### ZERUST® Axxanol™ 710C VCI Oil Additive

Axxanol<sup>™</sup> 710C is a corrosion preventative oil additive that protects by means of ZERUST® contact inhibitors and VCIs. Designed to protect internal surfaces of engines and hydraulic systems against corrosion during lay-up, bunkering, and other shipping and storage applications for up to 5 years<sup>‡</sup>.

Part Number	Product	Туре	Quantity
350-M-00045PL	Axxanol™ 710C	Engine Oil Additive w/ Contact inhibitor	5 gal
350-M-00045DR	Axxanol™ 710C	Engine Oil Additive w/ Contact inhibitor	55 gal



#### ZERUST® Axxanol™ 707C VCI Oil Additive

Axxanol™ 707C is a corrosion preventative oil additive that protects by means of ZERUST® Volatile Corrosion Inhibitors (VCIs). Designed to protect engines, diesel engines, hydraulic systems, and gearboxes against corrosion during lay-up, bunkering, and other shipping or storage applications for up to 2 years<sup>‡</sup>.

Part Number	Product	Туре	Quantity
350-M-00048GL	Axxanol™ 707C	Engine Oil Additive	1 gal
350-M-00048PL	Axxanol™ 707C	Engine Oil Additive	5 gal
350-M-00048DR	Axxanol™ 707C	Engine Oil Additive	55 gal



### **ZERUST® Rust Removers**

ZERUST® AxxaClean™ industrial rust and tarnish removers are powerful solutions for the rework and recovery of metal assets. ZERUST® offers a range of technologies, from pH neutral products to more aggressive products that also inhibit flash corrosion on cleaned surfaces.

#### ZERUST® AxxaClean™ 2048 Rust Remover Series

AxxaClean<sup>™</sup> 2048 is a fast-acting and non-hazardous rust and tarnish remover. It rapidly removes light to medium corrosion, even in cracks and crevices. Cleaned surfaces are free of black-carbon residue and resistant to flash-corrosion. AxxaClean<sup>™</sup> 2048 comes in multiple delivery forms; Immersion, Spray-On, and Brush-On.

Part Number	Product	Туре	Quantity
350-M-00014PT	AxxaClean™ 2048	Spray-On	16 oz <sup>(12 bottles/case)</sup>
350-M-00014GL	AxxaClean™ 2048	Spray-On	1 gal <sup>(4 bottles/case)</sup>
350-M-00014PL	AxxaClean™ 2048	Spray-On	5 gal
350-M-00014DR	AxxaClean™ 2048	Spray-On	55 gal
350-M-00015PT	AxxaClean™ 2048	Immersion	16 oz <sup>(12 bottles/case)</sup>
350-M-00015GL	AxxaClean™ 2048	Immersion	1 gal <sup>(4 bottles/case)</sup>
350-M-00015PL	AxxaClean™ 2048	Immersion	5 gal
350-M-00015DR	AxxaClean™ 2048	Immersion	55 gal
350-M-00016PT	AxxaClean™ 2048	Brush-On	16 oz <sup>(12 bottles/case)</sup>
350-M-00016GL	AxxaClean™ 2048	Brush-On	1 gal <sup>(4 bottles/case)</sup>
350-M-00016PL	AxxaClean™ 2048	Brush-On	5 gal
350-M-00016DR	AxxaClean™ 2048	Brush-On	55 gal

#### ZERUST® AxxaClean™ 3048 Rust Remover Series

AxxaClean<sup>™</sup> 3048 is a fast-acting rust and tarnish remover. It rapidly removes medium to heavy corrosion, even in cracks and crevices. Cleaned surfaces are free of black-carbon residue and resistant to flash-corrosion. AxxaClean<sup>™</sup> 3048 comes in multiple delivery forms; Immersion and Brush-On.

Part Number	Product	Туре	Quantity
350-M-00021PL	AxxaClean™ 3048	Immersion	5 gal
350-M-00021DR	AxxaClean™ 3048	Immersion	55 gal
350-M-00022PL	AxxaClean™ 3048	Brush-On	5 gal
350-M-00022DR	AxxaClean™ 3048	Brush-On	55 gal

#### ZERUST® AxxaClean™ ICT® 625-RR Rust Remover

ZERUST®/EXCOR® AxxaClean™ ICT®625-RR recovers mildly to moderately rusted ferrous parts. Soak the affected parts in the ready-to-use liquid to eliminate rust on surfaces and in hard-to-reach areas. The active ingredient reacts with iron oxide, and the product is compatible with aluminum and yellow metals.

Part Number	Product	Туре	Quantity
350-M-00095PL	AxxaClean™ ICT®625-RR	Immersion	5 gal
350-M-00095DR	AxxaClean™ ICT®625-RR	Immersion	55 gal



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### **Benefits**

Safely removes rust

Cleaned metals are ready to be painted or welded

Compatible with most metals, painted surfaces, rubber and elastomers

No VOC's, CFC's, silicones or heavy metals





# **ZERUST® Cleaners and Degreasers**

#### ZERUST® AxxaWash™ KF-121 Cleaner

AxxaWash™ KF-121 is a low-foaming, alkaline, water-based cleaner designed where low application temperature is desired. AxxaWash™ KF-121 is removes light to medium-duty hydrocarbon soils on ferrous substrates.

Part Number	Product	Туре	Quantity
350-W-00004PL	AxxaWash™ KF-121	Concentrate	5 gal
350-W-00004DR	AxxaWash™ KF-121	Concentrate	55 gal



#### ZERUST® AxxaWash™ KF-122 Cleaner

AxxaWash™ KF-122 is a low-foaming, heavy-duty alkaline, water-based cleaner compatible with very hard water in a wide range of operating temperatures that removes medium to heavy-duty hydrocarbon soils on ferrous substrates and maintain low foaming under spray conditions.

Part Number	Product	Туре	Quantity
350-W-00089PL	AxxaWash™ KF-122	Concentrate	5 gal
350-W-00089DR	AxxaWash™ KF-122	Concentrate	55 gal



#### ZERUST® AxxaWash™ KF-123 Cleaner/Flash-Rust Inhibitor

AxxaWash™ KF-123 is a low foam cleaner designed for cleaning and where flash-rust inhibition is needed. Designed for ferrous substrates, AxxaWash™ KF-123 is a mildly alkaline water-based cleaner for the removal of light to medium-duty hydrocarbon soils while offering chloride mitigation.

Part Number	Product	Туре	Quantity
350-W-00003PL	AxxaWash™ KF-123	Concentrate	5 gal
350-W-00003DR	AxxaWash™ KF-123	Concentrate	55 gal



#### ZERUST® AxxaWash™ KF-124 Cleaner/Flash-Rust Inhibitor

AxxaWash™ KF-124 is a very low foaming cleaner designed for cleaning and flash-rust protection via corrosion inhibitors. AxxaWash™ KF-124 is a mildly alkaline water-based cleaner designed for the removal of light to medium-duty hydrocarbon soils on ferrous substrates while offering chloride mitigation.

Part Number	Product	Туре	Quantity
350-W-00050PL	AxxaWash™ KF-124	Concentrate	5 gal
350-W-00050DR	AxxaWash™ KF-124	Concentrate	55 gal



#### ZERUST® AxxaWash™ KMS-220 Cleaner/Flash-Rust Inhibitor

AxxaWash<sup>™</sup> KMS-220 is a very low foaming cleaner and flash-rust inhibitor designed for light-duty cleaning and exceptional oil-splitting performance. AxxaWash<sup>™</sup> KMS-220 is a near-neutral water-based cleaner designed for the removal of light-duty hydrocarbon soils and particulates on multiple substrates.

Part Number	Product	Туре	Quantity
350-W-00088PL	AxxaWash™ KMS-220	Concentrate	5 gal
350-W-00088DR	AxxaWash™ KMS-220	Concentrate	55 gal



## ZERUST® Cleaners and Degreasers

#### ZERUST® AxxaWash™ KMS-305 Cleaner

AxxaWash™ KMS-305AL is a low foam, low temperature, alkaline water-based cleaner designed for use with aluminum and ferrous metals in spray systems with its excellent oil-splitting capabilities. AxxaWash™ KMS-305AL is an ideal cleaner for removing light to moderate-duty hydrocarbon soils and particulates on aluminum heat exchanger components.

Part Number	Product	Туре	Quantity
350-W-00091PL	AxxaWash™ KMS-305	Concentrate	5 gal
350-W-00091DR	AxxaWash™ KMS-305	Concentrate	55 gal



#### ZERUST® AxxaWash™ KMS-310 Cleaner

AxxaWash<sup>™</sup> KMS-310AL is a low-foaming, alkaline, water-based cleaner designed for use with aluminum and ferrous alloys in immersion, ultrasonic, spray, and drum washer systems. AxxaWash<sup>™</sup> KMS-310AL is an excellent cleaner for removing moderate to heavy-duty soils.

Part Number	Product	Туре	Quantity
350-W-00090PL	AxxaWash™ KMS-310	Concentrate	5 gal
350-W-00090DR	AxxaWash™ KMS-310	Concentrate	55 gal



#### ZERUST® AxxaWash™ NW-10C Cleaner

AxxaWash<sup>™</sup> NW-10C is a metalworking wash and rinse fluid that cleans and deactivates sources of corrosion such as chlorides, oils, and contaminants. Cleaning with the wash solution enhances the effectiveness of future corrosion prevention methods.

Part Number	Product	Туре	Quantity
350-W-00001PL	AxxaWash™ NW-10C	Concentrate	5 gal
350-W-00001DR	AxxaWash™ NW-10C	Concentrate	55 gal



#### ZERUST® AxxaWash™ NW-12C Cleaner

AxxaWash™ NW-12C is a highly effective metalworking wash and rinse fluid that inhibits flash-corrosion on treated metal surfaces. The wash removes oily contaminants and deactivates corrosion inducing inorganic anions to provide robust post-wash flash corrosion inhibition for up to 72 hours<sup>‡</sup>.

Part Number	Product	Туре	Quantity
350-W-00002PL	AxxaWash™ NW-12C	Concentrate	5 gal
350-W-00002DR	AxxaWash™ NW-12C	Concentrate	55 gal



## ZERUST® ICT® VCI Diffusers & Emitters

#### **ZERUST® Vapor Capsules**

ZERUST®/EXCOR® Vapor Capsules are portable capsules that diffuse patented ZERUST® VCI technology. Use to protect metals in hard-to-reach areas of control panels, electrical cabinets, and other enclosed spaces, even when they are in operation. Or use as a supplement to other ZERUST® VCI packaging products for added protection.

	Part Number	Model	Units/Case	Weight/Case
UI STORY Excost	375-M-00006	VC1-1(S)	50	.60 lbs
U STORY	375-M-00001	VC1-1	50	.70 lbs
TENEST.	375-M-00002	VC2-1	25	1.2 lbs
III STURY	375-M-00003	VC2-2	10	.75 lbs
TETOE EXCOS	375-M-00004	VC6-1	4	2.2 lbs
III STURY	375-M-00005	VC6-2	4	3 lbs



#### ZERUST® Vapor Capsule ZAK-M22

ZERUST®/EXCOR® Vapor Capsule ZAK-M22 diffusers emit fast-acting Vapor Corrosion Inhibitors (VCI) that are effective at neutralizing contaminants. Use to protect electronics, electrical components, and inside enclosures such as musical instrument cases and gun cases. Each capsule has a unique serial number and QR code printed on the label. This feature used along with the ZERUST® ZAP App allows the user to be notified of the initial installation location and replacement schedule. Scan the QR code for more information about ZAP App.

	Part Number	Model	Units/Case	Weight/Case
I STURY Execut	375-M-00202	ZAK-M22	10	1.3 lbs



#### **ZERUST® ICT® Pipe Strips**

ZERUST®/EXCOR® Pipe Strips are a residue-free, long-term corrosion protection system for the interior surfaces of ferrous and non-ferrous pipes during shipment, storage, or work-in-progress. ZERUST® Pipe Strips are ZERUST® Vapor Capsules assembled on long plastic strips that can be made to any length.

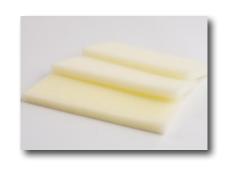
Part Number	Model	Description	Units/Case	Weight/Case
525-M-00001	PS2-10	40' strip with 10 Capsules	1 strip	.55 lbs
525-M-00002	PS2-16	40' strip with 16 Capsules	1 strip	.80 lbs



#### ZERUST® ICT® Open Cell VCI Foam Pads

ZERUST®/EXCOR® ICT® Open Cell VCI Foam Pads are a convenient way to provide added corrosion protection in packaging. The foam pads are precut, flexible, and easy to insert into small spaces. They diffuse ZERUST® Vapor Corrosion Inhibitors (VCIs) to protect ferrous metals from corrosion, as well as multimetals.

	Part Number	Dimensions	Units/Case	Weight/Case
UISTORY Execut	375-F-00007	2" x 5" x 1/4"	1,000	8 lbs
EXCOS.	375-F-00008	2" x 5" x 1/4"	100	.60 lbs



## ZERUST® ICT® VCI Diffusers & Emitters

#### ZERUST® ICT® Plastabs®

ZERUST®/EXCOR® ICT® Plastabs protect interior surfaces of your shipment by diffusing ZERUST® VCI. They are easy to use, safe for electronics, and come in many different sizes designed for small spaces.

	Part Number	Dimensions	Units/Case	Weight/Case
III STURIS	425-M-00001	1" x 1"	1,000	1.75 lbs
I STORY	425-M-00002	0.75" x 0.75"	1,000	1 lbs
III STURY	425-M-00003	0.50" x 0.50"	1,000	.50 lbs
TETERS .	425-M-00004	0.75" x 0.75" w/adhesive	1,000	1.1 lbs
III STUCK	425-M-00010	1" x 3" debossed	1,000	5.7 lbs



#### **ZERUST® ICT® Tube Strip and Tube Strip Pro**

ZERUST®/EXCOR® ICT® Tube Strip and Tube Strip Pro help reduce repair and maintenance costs by preventing corrosion within tubes, pipes, and gun barrels. Tube Strips are a flexible plastic product that diffuses ZERUST® Vapor Corrosion Inhibitors (VCIs). It can be cut to any length and fits into narrow tubes and pipes, and other enclosed spaces.

Part Number	Model	Size	Units/Case	Weight/Case
475-F-00001	Tube Strip	1,000 ft	1 roll	12 lbs
475-M-00003	Tube Strip Pro 20	1,000 ft	1 roll	10 lbs



#### ZERUST® ICT® Cor Tab® VCI Tablets

ZERUST®/EXCOR® ICT® Cor Tab® VCI Tablets contain patented ZERUST® ICT® corrosion inhibiting technology to provide targeted corrosion protection to ferrous and non-ferrous metal items.

	Part Number	Model/Size	Tabs/Bottle	Weight
SECOND SE	450-M-00001	CT-25 (.25 gm)	600	4 lbs
TSTUEX Excos	450-M-00002	CT-50 (.50 gm)	300	4 lbs
III STUEK	450-M-00003	CT-10 (1 gm)	150	4 lbs



#### ZERUST® ActivDri™ Capsule

ZERUST®/EXCOR® ActivDri™ Capsule protects ferrous and aluminum metals in enclosed spaces. It utilizes VCI to prevent corrosion and silica-gel desiccant to combat humidity that affects metals and electronics.

Part Number	Model	Units/Case	Weight/Case
375-F-00003	ActivDri™ FAD12-1 (VCI Plus desiccant)	10	23 lbs



#### ZERUST® Z-PAK® VCI Packets

ZERUST® Z-PAK® VCI diffuser packets emit a specially formulated VCI chemistry that quickly saturates and lands on metal surfaces located in the enclosure/packaging with the Z-PAK®.

Part Number	Model	Units/Case	Weight/Case
375-F-00100	Z-PAK®-01	1,000	7 lbs



## **ZERUST® Activ® VCI Diffusers & Emitters**

#### ZERUST® ActivPak® VCI Pouches

ZERUST®/EXCOR® ActivPak® VCI Pouches offer powerful and fast-acting corrosion protection for challenging applications such as overseas shipping and in polluted factories. Its robust formula protects against acid gases and contaminants. Use to protect metals during operation, storage, and in aggressive manufacturing and shipping environments.

	Part Number	Model	Units/Case	Weight/Case
III STORY	375-M-00100	ActivPak®-35	10	2 lbs
III STORY	375-M-00101	ActivPak®-35	50	9 lbs
ULSTUEIG Second	375-M-00102	ActivPak®-35	100	17 lbs
UISTOEK Sxcore	375-M-00103	ActivPak®(LS)-35	10	2 lbs
U STOEK Excost	375-M-00104	ActivPak®(LS)-35	50	9 lbs
SIDEN	375-M-00105	ActivPak®(LS)-35	100	17 lbs
III STUDII	375-M-00107	ActivPak®(LS)-T350	10	2 lbs
III STUEY Excor	375-M-00108	ActivPak®(LS)-T350	50	5 lbs
III STUCK	375-M-00109	ActivPak®(LS)-T350	100	8 lbs
	375-M-00111	ActivPak®(LS)-33	10	1 lbs
II STORY Excor	375-M-00112	ActivPak®(LS)-33	50	3 lbs
III STUCK	375-M-00113	ActivPak®(LS)-33	100	6 lbs
III STUDII	375-M-00114	ActivPak®(LS)-T330	10	1 lbs
III STUDY Excor	375-M-00115	ActivPak®(LS)-T330	50	2 lbs
II STUEX Excor	375-M-00116	ActivPak®(LS)-T330	100	4 lbs



#### **ZERUST®** ActivCapsule™ FAC1-1(s)

ZERUST®/EXCOR® ActivCapsules™ can be easily affixed to most surfaces with their peel adhesive backing. Use ActivCapsules™ to protect metals from corrosion in almost any enclosure or use as a supplement to other ZERUST® ICT® packaging products for added protection.

Part Number	Model	Units/Case	Weight/Case
375-M-00106	ActivCapsule <sup>™</sup> FAC1-1(s)	50	.60 lbs



### ZERUST® ActivTab™(LS) VCI Tablets

ZERUST®/EXCOR® ActivTab™(LS) VCI Tablets can be dropped into spaces, and with its proven corrosion inhibitors, they'll work fast to protect ferrous and aluminum metals against flash-corrosion.

Part Number Model		Units/Case	Weight/Case	
450-M-00100	ActivTab™(LS) AT-25	600 tablets/bottle (8/case)	4 lbs	



ZERUST® ActivDri™ Corrosion Prevention and Moisture Control Packets ZERUST® ActivDri™ packets are patent-pending, economical, effective, and easy-to-use dual action, moisture control vapor corrosion inhibitor (VCI) sachet products.

Model	Units/Case	Weight
PWA5	1,000	12 lbs
PWA10	500	12 lbs
PWA25	200	12 lbs
PWA50	100	12 lbs
PWA100	50	12 lbs
	PWA5 PWA10 PWA25 PWA50	PWA5 1,000 PWA10 500 PWA25 200 PWA50 100



### **ZERUST®** Powders and Additives

#### ZERUST® Axxavis™ HST-10 Powder Additive

ZERUST®/EXCOR® AxxaVis™ HST-10 powder additive deactivates ionic contaminants found in municipal water sources that cause rust and hard water deposits on metals. AxxaVis™ HST-10 is a highly effective way to protect the interior surfaces of pressure vessels from corrosion that can rapidly form during and after hydrostatic testing.

Part Number	Product	Туре	Quantity
460-M-00002CA	AxxaVis <sup>™</sup> HST-10	Hydrostatic Test Additive	25 lbs.
460-M-00002SU	AxxaVis™ HST-10	Hydrostatic Test Additive	800 lbs.



#### ZERUST® Axxavis™ PX Powder Additive Series

ZERUST®/EXCOR® AxxaVis™ PX Powder Additive Series provides powder additives capable of neutralizing acids left by cleaning processes and conditioning hard water when deionized water is not available for metalworking applications.

	Part Number	Product	Туре	Quantity	
ULSTUE!	460-F-00005	AxxaVis™ PX-05-AN	Acid Neutralizer	25 lbs.	
	460-M-00001	AxxaVis <sup>™</sup> PX-10-HRD	Hard Water Conditioner	25 lbs.	



#### **ZERUST®** ActivPowder™ Series

ZERUST®/EXCOR® ActivPowder™ Series offers VCI powders designed to protect metal surfaces in large voids from corrosion. The VCI protection, combined with a self-fogging Flash Corrosion Inhibitor (FCI™) technology, specialized in protecting metals in enclosed spaces for short to long-term storage.

Part Number	Model	Packaging
460-F-00016	ActivPowder™ (LS)-10F	30 lb/Case
460-F-00004	ActivPowder™ 10F	30 lb/Case



### **ZERUST®** Desiccants

#### **ZERUST® ZDC Montmorillonite Clay Tyvek Desiccants**

ZERUST®/EXCOR® ZDC Desiccant Series feature montmorillonite clay, allowing the desiccants to absorb 10 to 23% of their own volume in water. As an adsorbent, ZDC Desiccants cost less than silica gel while providing a high adsorption capacity. Use ZERUST® ZDC Desiccants as a drying agent to reduce the humidity and moisture inside an enclosure during long-term shipping and storage applications. Combine with ZERUST® Vapor Corrosion Inhibiting (VCI) products for extended protection.

	Part Number	Unit Size	Quantity	Material	Weight
ILISTORY.	775-X-00024	ZDC-T-005 (1/2 Unit)	600/case	Tyvek	26 lbs/case
III STOCKS	775-X-00025	ZDC-T-010 (1 Unit)	400/case	Tyvek	32 lbs/case



### ZERUST® Flange Covers, Tapes and Accessories

#### ZERUST® ICT® Flange Saver® - 150 PSI, Clear, Transparent

ZERUST®/EXCOR® ICT® Flange saver® offers an inexpensive, simple, and rugged & transparent UV-resistant film cover designed for severe outdoor exposure. The transparent film allows for visual monitoring of corrosion and/or leaks inside the Flange Saver. Sized to fit standard flanges; custom sizes may be special ordered.

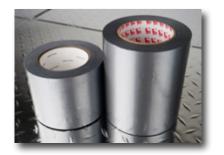
	Part Number	Model	Units/Case
ILISTORIA Excost	880-F-00001	2"	20
III STULK Excor	880-F-00003	4"	20



#### **ZERUST® OPS Preservation Tape**

ZERUST®/EXCOR® OPS Preservation Tape is designed to be used with ICT®510-OPS Outdoor Preservation Shrink Film to provide advanced protection to metals. This specially designed ZERUST® Preservation Tape is ideal for sealing and reinforcing seams, heat-sealed or not. This self-wound tape exhibits good shear properties under moderate loads, has a wide operating temperature range, and excellent UV resistance.

Part Number	Description	Mil	Units/Case	Weight/Case
250-X-00007	4" x 108'-2 yr UVI - Gray	9	12 rolls	19 lbs
250-X-00008	6" x 108'-2 yr UVI - Gray	9	8 Rolls	17 lbs



### **ZERUST®** Inhibitor Fusion (ZIF) Tape

ZERUST®/EXCOR® Inhibitor Fusion (ZIF) Tape delivers corrosion inhibitors to the surface of pipes under insulation. The ZIF tape is simply wrapped over the pipe to be protected, over the existing coating, prior to the installation of the thermal insulation. Once installed, the inhibitors are most effective when there is moisture present and therefore mitigate corrosion caused by condensation and high temperature flashing. The unique inhibitors are effective at temperatures up to 392°F (200°C). When moisture evaporates as the pipeline temperatures rise, the inhibitor is released to be redeposited under the silicone tape and in contact with the pipeline, where it is dormant until the temperatures drop and moisture re-condenses.

Part Number	Description	Units/Case	Weight
250-F-00105	ZIF VCI Silicone Tape 2" x 36'	1 roll	.8 lbs
250-F-00108	ZIF VCI Silicone Tape 4" x 36'	1 roll	2.2 lbs
250-F-00106	ZIF VCI Silicone Tape 12" x 36'	1 roll	6.65 lbs
250-F-00107	ZIF VCI Silicone Tape 16" x 36'	1 roll	8.85 lbs

#### **Accessories**

Part Number	Description	Units/Case	Weight
350-X-00003	Rust Remover Polishing Sponge	2	4.35 g



## Why Choose ZERUST®/EXCOR®?

In today's competitive global marketplace, your metal products must travel thousands of miles through aggressive atmospheres, extreme daily changes of humidity and temperature, and possibly extended storage before your customers ever see them.

ZERUST® corrosion solutions will resolve your corrosion problems while increasing your company's profitability by reducing operating costs, increasing process yields, and enhancing your customers' satisfaction. In some regions of the world, ZERUST® is also known as EXCOR® due to language differences.

ZERUST®/EXCOR® field engineers on four continents use decades of accumulated applications experience to:

- Identify and resolve corrosion causes in processes.
- Eliminate unnecessary packaging and materials handling processes.
- Design optimal customer corrosion management solutions.
- Provide point-to-point customer service in over 70 countries.



Our internationally recognized scientists and field engineers work closely with customers to design and implement comprehensive corrosion management systems. Then, ZERUST® representatives worldwide provide on-site technical support to ensure the efficacy of these solutions. ZERUST® applications engineers will assist with the on-site preparation and packaging of test shipments. At its destination, the shipment will be inspected and evaluated by a global ZERUST® representative.

### Laboratories and Test Facilities Across the Globe

The effectiveness of the proposed corrosion management system can be evaluated under extreme simulated climatic conditions in one of our many worldwide regional ZERUST® technical support centers. ZERUST® is a business unit of Northern Technologies International Corporation (NTIC). NTIC's management system is ISO 9001:2015 certified.









- Over 170 products in stock
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Las declaraciones y afirmaciones de protección anticorrosión están basadas en pruebas de laboratorio realizadas por Northern Technologies International Corporation (NTIC) bajo parámetros controlados en sustratos metálicos libres de contaminantes. La duración de las aplicaciones de protección anticorrosión en el Mundo Real y en diferentes sustratos pueden variar dependiendo de factores tales como, pero no limitados a, la aplicación o uso, condiciones ambientales/almacenamiento, la limpieza de las superficies, tipos de sustratos, y espesor del recubrimiento (Si es aplicado). El uso del término "Hasta por" se define como cualquier duración de tiempo desde cero hasta el marco específico de tiempo asignado, pero no más allá de él. El término "Por años" se basa en la experiencia de NTIC consus productos pero de ninguna forma está garantizada. Es responsabilidad del usuario/cliente evaluar el desempeño del producto, duración de la protección anticorrosiva, seguridady si es adecuado para el uso intencional dentro del alcance aconsejado en las hojas SDS de datos y \*debe \* cumplir con todas las leyes y normativas aplicables federales y locales.

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