

ZERUST® EXCOR®

Zerust® Product Catalog



1-800-328-2433

www.Zerust.com



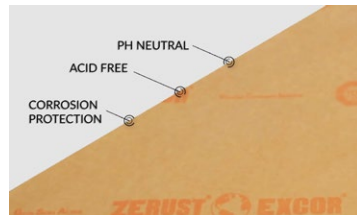
Zerust VCI Film



Zerust VCI Gusset Bag

Zerust VCI Film and Bags

- Flat Bags, Gusset Bags, Zipper Bags, and Auto Bags
- Sheeting, Tubing, Sleeves, and Tote Covers
- Heat Shrink, Skin Packaging, Cold Seal and Stretch Film
- High Strength, UVI, Outdoor, and Anti-Static Films
- Cushioning Film and Foam Sheeting
- Custom Sizes, Colors and Printing Available



Zerust VCI Kraft Paper



Zerust VCI Kraft Paper Sheets

Zerust VCI Kraft Paper

- 30#, 35# and 40# Multimetal Kraft Paper
- Ferrous Poly Laminated Kraft Paper
- Stock Rolls and Cut Sheets Available
- Special Order up to #170 Weight
- Custom Sizes, Weights and Printing Available



Zerust VCI Vapor Diffusers



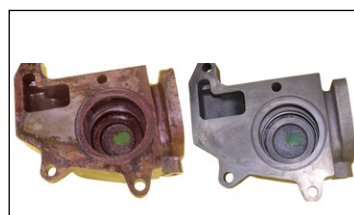
Zerust Fast Acting ActivPak®

Zerust VCI Diffusers

- VCI Vapor Capsules
- ActivPak® Fast-Acting VCI Packets
- ActivCapsule™ and ActivTab™ Flash-Corrosion Inhibitors
- Pipe Strips, Tube Strips, Plastabs®
- ActivPowder™ Flash Corrosion Inhibitor Powder



Zerust VCI Oil Spray-On RP



Zerust Rust Remover Results

Zerust RP Coatings and Rust Removers

- VCI Oils, Rust Preventative Greases, Oil-, Solvent-, Water- and Bio-Based
- Spray-On, Brush-On and Dip Application Options
- High-Pressure Wash Cleaners and Water Conditioners
- Rust Removers for Light, Medium and Heavy Corrosion

| | |
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Zerust® ICT® Ferrous VCI Poly Bags

Zerust/Excor ICT 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 yellow, green & blue. Custom colors and printing available upon request.

4 MIL Ferrous Yellow Plain Closure Bags (Printed w/ Zerust Trademark)

| Stock No. | W x L | Qty/Case | Weight/Case |
|--------------|-----------|----------|-------------|
| 025-F-00001B | 3" x 5" | 1000 | 5 lbs |
| 025-F-00001 | 3" x 5" | 5000 | 20 lbs |
| 025-F-00002B | 4" x 6" | 1000 | 7 lbs |
| 025-F-00002 | 4" x 6" | 2000 | 13 lbs |
| 025-F-00003 | 6" x 8" | 1000 | 13 lbs |
| 025-F-00115 | 8" x 10" | 1000 | 21 lbs |
| 025-F-00006 | 9" x 12" | 1000 | 29 lbs |
| 025-F-00036 | 10" x 12" | 1000 | 34 lbs |
| 025-F-00007 | 10" x 14" | 1000 | 37 lbs |
| 025-F-00046B | 12" x 12" | 1000 | 39 lbs |
| 025-F-00008 | 12" x 18" | 500 | 29 lbs |
| 025-F-00009 | 18" x 24" | 250 | 29 lbs |
| 025-F-00010 | 24" x 36" | 150 | 35 lbs |

4 MIL Ferrous Yellow Zipper Bags (Printed w/ Zerust Trademark)

| Stock No. | W x L | Qty/Case | Weight/Case |
|--------------|-----------|----------|-------------|
| 050-F-00001B | 3" x 5" | 1000 | 5.5 lbs |
| 050-F-00001 | 3" x 5" | 5000 | 22 lbs |
| 050-F-00002B | 4" x 6" | 1000 | 7.5 lbs |
| 050-F-00002 | 4" x 6" | 2000 | 15 lbs |
| 050-F-00003 | 6" x 8" | 1000 | 15 lbs |
| 050-F-00021 | 10" x 12" | 1000 | 34 lbs |
| 050-F-00004 | 12" x 18" | 500 | 31 lbs |

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.



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



Application Type

- Storage
- Shipping
- Work in progress

Zerust® ICT® Ferrous VCI Poly Bags

2 MIL Ferrous Yellow Gusset Bags (Not Printed w/ Zerust Trademark)

| Stock No. | W x D x L | Qty | Weight |
|-------------|---------------------|-----------|-------------|
| 075-F-99981 | 13" x 9" x 16" | 1000/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 (Not Printed w/ Zerust Trademark)

| Stock No. | W x D x L | Qty | 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 (Not Printed w/ Zerust Trademark)

| Stock No. | W x D x L | Qty | Weight |
|-------------|-----------------|---------|-------------|
| 075-F-00015 | 40" x 28" x 60" | 50/roll | 48 lbs/roll |

4 MIL Ferrous Yellow Gusset Bags (Not Printed w/ Zerust Trademark)

| Stock No. | W x D x L | Qty | 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 (Not Printed w/ Zerust Trademark)

| Stock No. | W x D x L | Qty | Weight |
|-------------|-----------------|----------|-------------|
| 075-F-00019 | 12" x 11" x 23" | 250/case | 44 lbs/case |
| 075-F-00020 | 20" x 17" x 32" | 100/roll | 39 lbs/roll |

6 MIL Ferrous Yellow Gusset Bags (Not Printed w/ Zerust Trademark)

| Stock No. | W x D x L | Qty | Weight |
|-------------|-----------------|---------|-------------|
| 075-F-00021 | 31" x 17" x 38" | 75/roll | 55 lbs/roll |



Availability

Zerust/Excor ICT 510-C Ferrous VCI Poly Bags are available in many stock and custom additive options such as UV and anti static. Contact a Zerust account manager for pricing and availability.

Size Range (width):
2" - 125" (flat)
2" - 150" (gusset)



Recyclable

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

Zerust® ICT® Multimetal VCI Bags

Zerust/Excor ICT 510-C VCI Bags provide convenient and proven protection against corrosion damage to metals for shipping and storage. They are available in ferrous, non-ferrous and multimetal protection types various flat, zipper and gusseted sizes.

4 MIL Multimetal Green Plain Closure Flat VCI Bags (Not Printed w/ Zerust Trademark)

| Stock No. | W x L | Units/Case | Weight/Case |
|-------------|-----------|------------|-------------|
| 025-M-00021 | 6" x 8" | 1000 | 13 lbs |
| 025-M-00022 | 8" x 10" | 1000 | 21 lbs |
| 025-M-00037 | 10" x 12" | 1000 | 34 lbs |
| 025-M-00023 | 12" x 18" | 500 | 29 lbs |
| 025-M-00025 | 18" x 24" | 250 | 29 lbs |
| 025-M-00026 | 24" x 36" | 150 | 35 lbs |
| 025-M-00027 | 36" x 48" | 75 | 35 lbs |

Multimetal Green Gusset VCI Bags (Not Printed w/ Zerust Trademark)

| Stock No. | W x D x L | MIL | Units/Roll | Weight/Roll |
|-------------|------------------|-----|------------|-------------|
| 075-M-00002 | 34" x 33" x 66" | 3 | 85 | 76 lbs |
| 075-M-00038 | 23" x 17" x 36" | 4 | 100 | 39 lbs |
| 075-M-00182 | 30" x 21" x 40" | 4 | 120 | 67 lbs |
| 075-M-00122 | 54" x 44" x 96" | 4 | 25 | 63 lbs |
| 075-M-00010 | 67" x 50" x 72" | 4 | 35 | 79 lbs |
| 075-M-00179 | 70" x 60" x 100" | 4 | 15 | 54 lbs |
| 075-M-00215 | 40" x 36" x 80" | 4 | 25 | 43 lbs |

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.



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



Application Type

Storage
Shipping
Work in progress

Zerust® ICT® Multimetal VCI Bags

4 MIL Multimetal Blue Plain Closure Flat VCI Bags (Not Printed w/ Zerust Trademark)

| Stock No. | W x L | Qty/Case | Weight/Case |
|-------------|-----------|----------|-------------|
| 025-M-00167 | 4" x 6" | 2000 | 13 lbs |
| 025-M-00146 | 9" x 12" | 1000 | 29 lbs |
| 025-M-00169 | 18" x 24" | 250/roll | 29 lbs |



4 MIL Multimetal Blue Gusseted VCI Bags (Not Printed w/ Zerust Trademark)

| Stock No. | W x D x L | Qty | Weight/Case |
|-------------|-----------------|---------|-------------|
| 075-M-00246 | 54" x 44" x 96" | 25/roll | 63 lbs |

Zerust ICT Ferrous Weapon Protection Kit

Zerust/Excor ICT VCI Weapon Bags provide protection against corrosion damage for weapons and accessories in shipping, storage and in-between operations. Hundreds of units have proven their performance and reliability in the field. They protect against dust, sand and humidity.

| Stock No. | W x L | MIL | Units/Roll |
|-------------|---------------------|-----|------------|
| 910-F-00007 | 10" x 18" (handgun) | 4 | 100 |
| 910-F-00006 | 14" x 60" (rifle) | 6 | 100 |



Availability

Zerust/Excor ICT510-C VCI Film Bags are available in many stock and custom additive options such as UV and anti static. Contact a Zerust account manager for pricing and availability.

Size Range (width):
2" - 125" (flat)
2" - 150" (gusset)

Recyclable

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

Zerust® ICT® VCI Film and Sheeting

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

Zerust ICT510-C 4 MIL Sheeting (Not Printed w/ Zerust Trademark)

| Stock No. | W x L | Weight | Type |
|-------------|------------|--------|------------------|
| 100-F-00002 | 36" x 500' | 29 lbs | Ferrous, yellow |
| 100-F-00064 | 72" x 500' | 58 lbs | Ferrous, yellow |
| 100-F-00081 | 12" x 250' | 67 lbs | Ferrous, yellow |
| 100-M-00045 | 48" x 500' | 38 lbs | Multimetal, blue |

Zerust ICT510-C 4 Mil Ferrous Tubing (Not Printed w/ Zerust Trademark)

| Stock No. | W x L | Weight |
|-------------|--------------------------|-------------|
| 200-F-00005 | 4" x 1,500' | 19 lbs/roll |
| 200-F-00006 | 6" x 500' (4 rolls/case) | 39 lbs/case |
| 200-F-00007 | 8" x 500' | 13 lbs/roll |
| 200-F-00052 | 12" x 1000' | 39 lbs/roll |
| 200-F-00069 | 16" x 500' | 26 lbs/roll |
| 200-F-00012 | 24" x 500' | 39 lbs/roll |
| 200-F-00001 | 36" x 500' | 58 lbs/roll |
| 200-F-00002 | 48" x 500' | 77 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.



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



Application Type

Storage
Shipping
Work in progress

Zerust® ICT® VCI Film and Sheeting

Zerust ICT510-CLHD High-Density Film

Ferrous High-Density Sheeting (Not Printed w/ Zerust Trademark)

| Stock No. | W x L x MIL | Units/Roll | Weight |
|-------------|-----------------------|-------------------|-------------|
| 150-F-00175 | 13" x 12" x 1 MIL | 4,000 (x 2 rolls) | 42 lbs/case |
| 150-F-00166 | 48" x 56" x 1.25 MIL | 500 units | 57 lbs/roll |
| 150-F-00005 | 36" x 36" x 1.5 MIL | 750 units | 49 lbs/roll |
| 150-F-00163 | 42" x 42" x 1.5 MIL | 500 units | 44 lbs/roll |
| 100-F-00009 | 48" x 2000' x 1.5 MIL | 2,000 feet | 58 lbs/roll |

Multimetal High-Density Sheeting (Not Printed w/ Zerust Trademark)

| Stock No. | W x L x MIL | Units/Roll | Weight |
|-------------|---------------------|------------|-------------|
| 150-M-00001 | 36" x 36" x 1.5 MIL | 750 units | 49 lbs/roll |

Ferrous High-Density Tote Covers with Elastic Band (Not Printed w/ Zerust Trademark)

| Stock No. | W x L x MIL | Units/Case | Weight |
|-------------|---------------------|------------|------------|
| 675-F-00003 | 30" x 30" x 1.5 MIL | 100 units | 8 lbs/case |

Zerust ICT510-SM Stretch Film (Not Printed w/ Zerust Trademark)

| Stock No. | W x L x MIL | Weight/Roll | Color |
|-------------|------------------------|--------------------|------------------|
| 250-F-00006 | 4" x 667' x 1.25 MIL | 1.6 lbs x 12 rolls | Ferrous, yellow |
| 250-F-00002 | 20" x 4000' x 1.25 MIL | 40 lbs | Ferrous, yellow |
| 250-M-00004 | 20" x 4500' x 1 MIL | 36 lbs | Multimetal, blue |
| 250-M-00005 | 18" x 1500' x 1 MIL | 47 lbs | Multimetal, blue |

Zerust ICT510 Shrink Film (Not Printed w/ Zerust Trademark)

| Stock No. | W x L x MIL | Weight | Type |
|-------------|--------------------|--------|---------------------|
| 100-F-00077 | 40" x 425' x 8 MIL | 55 lbs | Ferrous, clear, UVI |
| 100-F-00010 | 20' x 100' x 4 MIL | 39 lbs | Ferrous, yellow |
| 100-M-00007 | 20' x 100' x 4 MIL | 39 lbs | Multimetal, green |
| 100-F-00070 | 20' x 100' x 8 MIL | 78 lbs | Ferrous, gray, UVI |
| 100-F-00004 | 48" x 500' x 4 MIL | 38 lbs | Ferrous, yellow |
| 100-F-00084 | 20' x 100' x 6 MIL | 58 lbs | Ferrous, yellow |

Zerust Ferrous Closed-Cell Foam Sheeting (Not Printed w/ Zerust Trademark)

| Stock No. | W x L x Thickness | Weight/Roll |
|-------------|-------------------|-------------|
| 575-F-00004 | 72" x 550' x 1/8" | 63 lbs |



Zerust Ferrous Woven Poly Scrim Sheeting (Not Printed w/ Zerust Trademark)

| Stock No. | W x L | Weight/Roll |
|-------------|-----------------|-------------|
| 600-F-00004 | 48" x 200 Yards | 60 lbs |



Availability

Zerust/Excor ICT510-C VCI Film is available in many stock and custom options. 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.

Zerust®/Excor® VCI Kraft Paper

Zerust Multimetal VCI Kraft Paper (Printed w/ Zerust Trademark)

Use Zerust VCI Kraft Paper to wrap and protect metals in shipment or storage. The paper is fully saturated and is ideal for interleaving applications. Available in stock 35#, 40# and 60# rolls and 35# pre-cut sheets and upon request in additional sizes and weights between 30# and 170#.



| Stock No. | W x L | Weight | Quantity |
|-------------|------------------|--------|------------------|
| 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 | 35# | 2,000 sheets/Box |
| 305-M-00020 | 36" x 200 Yards | 40# | 28 lbs/Roll |
| 305-M-00021 | 48" x 200 Yards | 40# | 37 lbs/Roll |
| 313-M-00024 | 36" x 200 Yards | 60# | 41 lbs/Roll |
| 313-M-00020 | 48" x 200 Yards | 60# | 54 lbs/Roll |

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

Zerust 35# Ferrous VCI Poly Kraft Paper (Not Printed w/ Zerust Trademark)

Zerust ICT420-35P 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.

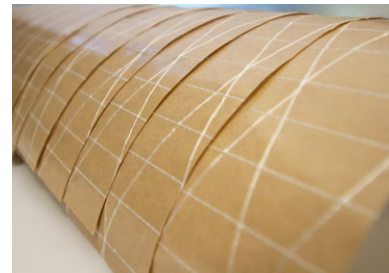


| Stock No. | W x L | MIL | Wt/Roll |
|--------------|-----------------|-----|---------|
| 300-F-00024* | 24" x 200 Yards | 1 | 44 lbs |
| 300-F-00002 | 36" x 200 Yards | 1 | 35 lbs |
| 300-F-00025 | 48" x 200 Yards | 1 | 44 lbs |

*Must order in multiples of two rolls

Zerust 430-35 Poly Coated Reinforced VCI Paper (Not Printed w/ Zerust Trademark)

Zerust 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 back side to provide superior strength. ICT430-35PCR protects ferrous, non-ferrous, and multimetal parts.



| Stock No. | W x L | Weight | Wt/Roll |
|--------------|-----------------|-------------|-------------|
| 300-M-00312 | 48" x 200 Yards | 3/4 mil/35# | 48 lbs/Roll |
| 300-M-00319* | 24" x 200 Yards | 3/4 mil/35# | 48 lbs/Roll |

*Up to 7 day turn. Call to confirm

Zerust 35# 427 VCI Kraft Paper (Printed w/ Zerust Trademark)

Zerust ICT427 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 VCI Paper in interleaving applications and to wrap and protect metals in shipment or storage.



| Stock No. | W x L | Qty/Case |
|-----------|------------------------|--------------|
| Custom | Custom Sizes Available | Custom Order |

Zerust® Rust Preventatives

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

Rust Preventative Coatings and Additives

Zerust Axxatec™ Water-based Liquids

| Stock No. | Product | Type | Sizes |
|-------------|---------------|-----------------------|------------|
| 350-M-00004 | Axxatec 77C | Multimetal | 5*, 55 gal |
| 350-M-00005 | Axxatec 8110C | Multimetal additive | 5*, 55 gal |
| 350-F-00005 | Axxatec 80C | Ferrous | 5, 55 gal |
| 350-F-00009 | Axxatec 85-F | Ferrous | 5, 55 gal |
| 350-M-00029 | Axxatec 87-M | Multimetal Compatible | 5*, 55 gal |



Axxatec 77C

Zerust Axxanol™ Multimetal Oil-based Liquids

| Stock No. | Product | Type | Sizes |
|-------------|-------------------|----------------------|---------------------------------|
| 350-M-00003 | Axxanol 33 | Thin oil | 5, 55 gal |
| 350-M-00010 | Axxanol 33CD | Dry-to-touch oil | 5, 55 gal |
| 350-M-00012 | Axxanol 34CD | Very thin oil | 5, 55 gal |
| 350-M-00019 | Axxanol 750 | VCI oil | 5*, 55 gal * |
| 350-M-00033 | Axxanol 750-NV | Clean thin oil | 5*, 55 gal * |
| 350-M-00011 | Axxanol 46-BIO | Biobased oil | 1, 5, 55 gal** |
| 350-M-00023 | Axxanol Spray-G | Aerosol spray grease | 12 oz ^(12 Cans/Case) |
| 350-M-00023 | Axxanol Spray-G | Sprayable grease | 5, 55 gal |
| 360-M-00002 | Axxanol Z-Maxx LV | Thin grease | 5*, 55 gal |
| 360-M-00001 | Axxanol Z-Maxx | Thick grease | 5, 55 gal |



Axxanol 33

Zerust AxxaCoat™ Coating

| Stock No. | Product | Type | Sizes |
|-------------|------------------------|--------------------------------|---------------------------------|
| 350-M-00046 | AxxaCoat 90 | Wax film | 5, 55 gal |
| 350-M-00054 | AxxaCoat 90B | Black wax film | 5, 55 gal |
| 350-M-00055 | AxxaCoat 90HF | High flash wax film | 5, 55 gal |
| 350-M-00056 | AxxaCoat 90BHF | Black high flash wax film | 5, 55 gal |
| 350-M-00077 | AxxaCoat 90HFS | Sprayable black high flash wax | 5, 55 gal |
| 350-M-00078 | AxxaCoat 90BHF Aerosol | Aerosol spray black high flash | 12 oz ^(12 Cans/Case) |



AxxaCoat 90

Zerust Axxavis™ Water-Soluble Powder Additives

| Stock No. | Product | Type | Sizes |
|-------------|-------------------|---------------------------|---------------|
| 460-M-00002 | AxxaVis HST-10 | Hydrostatic test additive | 25, 1200 lbs. |
| 460-F-00005 | AxxaVis PX-05-AN | Acid neutralizer | 25 lbs. |
| 460-M-00001 | AxxaVis PX-10-HRD | Hard water conditioner | 25 lbs. |



AxxaVis PX-05-AN

* Possible 7 day lead time. Call to confirm.
 ** Possible 4 week lead time. Call to confirm.
 Products sold in 1 gal come in case of 4.

Zerust® Rust Removers

AxxaClean™ 2048

Zerust/Excor AxxaClean 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.

| Stock No. | Product | Type | Sizes |
|-------------|----------------|-----------|-------------------------|
| 350-M-00014 | AxxaClean 2048 | Spray-On | 16 oz*, 1*, 5*, 55 gal* |
| 350-M-00015 | AxxaClean 2048 | Immersion | 16 oz, 1, 5, 55 gal |
| 350-M-00016 | AxxaClean 2048 | Brush-On | 16 oz*, 1*, 5, 55 gal* |

* Possible 7 day lead time. Call to confirm.
Products sold in 1 gal come in case of 4.
Products sold in 16 oz come in case of 12.

Comparison of Zerust AxxaClean Rust Remover Series

| Attributes | AxxaClean ICT®620-RR | AxxaClean 2048 | AxxaClean 3048 |
|-------------------------------|---|---|---|
| Corrosion Removal Power | Light to medium rust, even in cracks and crevices | Medium corrosion, even in cracks and crevices | Heavy corrosion, even in cracks and crevices |
| Speed | Slow | Moderate | Rapid |
| Metals Treated | Ferrous | Ferrous, brass, copper | Ferrous, brass, copper |
| Application Methods | Immersion | Immersion, Brush-on, Spray | Immersion, Brush-on |
| pH Level | Neutral pH of about 7 | Mild acidic pH of about 2.5 | Stronger acidic pH between 0.5-1.5 |
| Temperature For Use | 70°F (21°C) or above | 70°F (21°C) or above | 40°F (4°C) or above |
| Compatibility (<24 hour soak) | Safe for metals*, paint, gaskets, rubber, plastics | Safe for metals*, paint, gaskets, rubber, plastics | May attack soft metals*, some paints and coatings |
| Post-Cleaning Action | Do not let product dry on surface. Recommended DI or RO water rinse. Wipe off and dry well. | Do not let product dry on surface. Recommended DI or RO water rinse. Wipe off and dry well. | Do not let product dry on surface. Recommended DI or RO water rinse. Wipe off and dry well. |
| Corrosion Protection | Additional corrosion protection needed | Provides flash-corrosion protection in controlled environments | Provides flash-corrosion protection in controlled environments |
| Shelf Life and Handling | 3 years when stored out of sunlight and in original packaging. | 2 years when stored out of sunlight and in original packaging. | 2 years when stored out of sunlight and in original packaging. |

*Test before use on zinc and cadmium. Check with your Zerust technical representative for details.

Safety

Safe to use and handle. Product is not hazardous for people or the environment according to EU (CLP) or OSHA HazCom 2012 (US GHS).

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).



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

Complementary Products

Zerust VCI Packaging & Diffusers
Axxatec Water-Based RPs
Axxanol Oil-Based RPs
AxxaVis™ Additives
AxxaWash™ Cleaners

Zerust® Rust Removers

Zerust AxxaClean™ 3048

Zerust AxxaClean 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.

| Stock No. | Product | Type | Sizes |
|-------------|----------------|-----------|------------------------|
| 350-M-00021 | AxxaClean 3048 | Immersion | 1*, 5*, 55 gal* |
| 350-M-00022 | AxxaClean 3048 | Brush-On | 8 oz*, 1*, 5*, 55 gal* |

AxxaClean ICT® 620-RR

Zerust/Excor AxxaClean ICT620-RR is an effective and safe rust remover that recovers rusted parts. Simply soak items in the ready to use liquid to remove rust on surfaces and in hard to reach areas. Treatment time depends on the severity of the rust.

| Stock No. | Product | Type | Sizes |
|-------------|---------------------|-----------|-----------------|
| 350-F-00002 | AxxaClean ICT620-RR | Immersion | 1*, 5*, 55 gal* |



Zerust Cleaners

AxxaClean HPW-100C

Zerust AxxaClean HPW-100C is a liquid, high-pressure wash additive used to prevent flash corrosion after cleaning processes. It provides powerful deactivation of ionic contaminants, such as highly corrosive chlorides and sulfates on metal surfaces.

| Stock No. | Product | Type | Sizes |
|-------------|--------------------|-------------|------------|
| 350-F-00007 | AxxaClean HPW-100C | Concentrate | 5, 55 gal* |

AxxaWash™ NW-10C

AxxaWash NW10-C 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.

| Stock No. | Product | Type | Sizes |
|-------------|-----------------|-------------|-----------|
| 350-W-00001 | AxxaWash NW-10C | Concentrate | 5, 55 gal |

* Possible 7 day lead time. Call to confirm.
Products sold in 1 gal come in case of 4.
Products sold in 8 oz come in case of 12.



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.

| Stock No. | Model | Units/Case |
|-------------|----------|------------|
| 375-M-00006 | VC1-1(S) | 50 |
| 375-M-00001 | VC1-1 | 50 |
| 375-M-00002 | VC2-1 | 25 |
| 375-M-00003 | VC2-2 | 10 |
| 375-M-00004 | VC6-1 | 4 |
| 375-M-00005 | VC6-2 | 4 |



Zerust Open Cell VCI Foam

Zerust/Excor Open Cell VCI Foam Pads are a convenient way to provide added corrosion protection in packaging. The foam pads are pre-cut, 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.

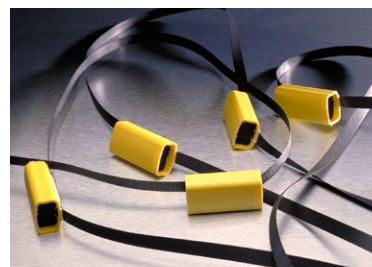
| Stock No. | Model | Units/Case |
|-------------|----------------|------------|
| 375-F-00007 | 2" x 5" x 1/4" | 1000 |
| 375-F-00008 | 2" x 5" x 1/4" | 100 |



Zerust Pipe Strip™

Zerust 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.

| Stock No. | Model | Description | Units/Case |
|-------------|--------|---|--------------|
| 525-M-00001 | PS2-10 | 40' strip with 10 capsules on 4' centers) | 1 strip/pack |
| 525-M-00002 | PS2-16 | 40' strip with 16 capsules on 2.5' centers) | 1 strip/pack |



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.

Zerust Plastabs®

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

| Stock No. | Model/Dimensions | Units |
|-------------|--------------------------|-----------|
| 425-M-00001 | 1" x 1" | 1000/case |
| 425-M-00002 | 0.75" x 0.75" | 1000/case |
| 425-M-00003 | 0.50" x 0.50" | 1000/case |
| 425-M-00004 | 0.75" x 0.75" w/adhesive | 1000/case |
| 425-M-00005 | 1" x 3" w/printing | 10/pack |
| 425-M-00006 | 1" x 3" w/printing | 1000/pack |



Zerust Tube Strip™

Zerust/Excor Tube Strip can help reduce repair and maintenance costs by preventing corrosion within tubes, pipes and gun barrels. Tube Strip is 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.

| Stock No. | Model | Packaging |
|-------------|---------------|-----------|
| 475-F-00001 | 1,000 ft/roll | Rolls |



Zerust Cor-Tab®

Zerust/Excor ICT Cor-Tabs are tablets that contain patented Zerust ICT corrosion inhibiting technology to provide targeted corrosion protection to ferrous and non-ferrous metal items.

| Stock No. | Model/Size | Tabs/Bottle |
|-------------|----------------|-------------|
| 450-M-00001 | CT-25 (.25 gm) | 600 |
| 450-M-00002 | CT-50 (.50 gm) | 300 |
| 450-M-00003 | CT-10 (1 gm) | 150 |



Zerust® ICT® VCI Diffusers & Emitters

Zerust ICT ActivPak® VCI Pouches

Zerust/Excor ActivPak offers 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.



| Stock No* | Model | Units/Case |
|-------------------|-------------------|-------------|
| 375-M-00100, 1, 2 | ActivPak-35 | 10, 50, 100 |
| 375-M-00103, 4, 5 | ActivPak(LS)-35 | 10, 50, 100 |
| 375-M-00107, 8, 9 | ActivPak(LS)-T350 | 10, 50, 100 |
| 375-M-00111, 2, 3 | ActivPak(LS)-33 | 10, 50, 100 |
| 375-M-00114, 5, 6 | ActivPak(LS)-T330 | 10, 50, 100 |

*The numbers listed in commas represent the last digit in part number for alternate case quantities.

Zerust ActivCapsule™ and ActivTab(LS)™

Prevent flash-corrosion on freshly worked metal surfaces with Zerust/Excor ICT ActivTab(LS). The tablets can be dropped into spaces and contain proven Zerust ICT corrosion inhibitors. The tablets work fast to protect ferrous and aluminum metals against flash-corrosion.



| Stock No. | Model | Units |
|-------------|------------------------|-----------------------------|
| 375-M-00106 | ActivCapsule FAC1-1(s) | 50 capsules/case |
| 450-M-00100 | ActivTab(LS) AT-25 | 600 tablets/bottle (8/case) |

Zerust ActivPowder™

The Zerust/Excor ActivPowder(LS)-10F is a VCI (Volatile Corrosion Inhibitor) powder designed to protect metal surfaces in large voids from corrosion. This self-fogging powder combines VCI protection with a Flash Corrosion Inhibitor (FCI™) to protect against flash rust and provide long-term corrosion protection.



| Stock No. | Product | Sizes |
|-------------|---------------------|-------------|
| 460-F-00003 | ActivPowder(LS)-10F | 30 lb pail* |
| 460-F-00004 | ActivPowder-10F | 30 lb pail* |

* Possible 7 day lead time. Call to confirm.

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).

Zerust® Flange & Valve Covers and Accessories

Zerust ICT Flange Saver® - 150 PSI, Clear, Transparent

Zerust ICT Flange saver offers a inexpensive, simple and rugged & transparent UV-resistant film cover designed for severe outdoor exposure. 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.



| Stock No. | Pipe Size | Units/Case |
|-------------|-----------|------------|
| 880-F-00001 | 2" | 20 |
| 880-F-00003 | 4" | 20 |

Other sizes available upon request.

Accessories and Tools

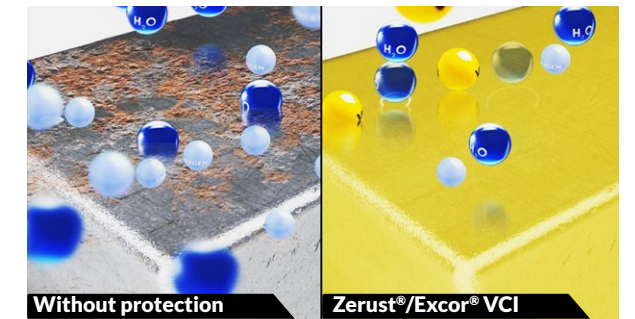
| Stock No. | Description | Units/Case |
|-------------|---|------------|
| 350-X-00003 | Rust Remover Polishing Sponge | 2 pack |
| 250-X-00002 | Gray preservation tape 6 mil 4" x 180' | 12 rolls |
| 250-X-00003 | Gray preservation tape 6 mil 6" x 180' | 8 rolls |
| 250-X-00001 | White preservation tape 7 mil 144 mm x 55 m | 8 rolls |
| 250-F-00105 | ZIF VCI Silicone Tape 2" x 36' | 12 Rolls |
| 250-F-00108 | ZIF VCI Silicone Tape 4" x 36' | 4 Rolls |
| 250-F-00106 | ZIF VCI Silicone Tape 12" x 36' | 2 Rolls |
| 250-F-00107 | ZIF VCI Silicone Tape 16" x 36' | 2 Rolls |



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."



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 packaging 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.

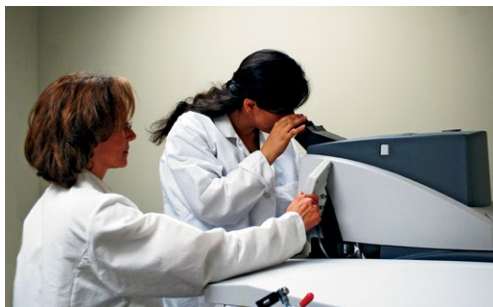
Zerust/Excor field engineers on four continents use decades of accumulated applications experience to:

- 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.

Worldwide Zerust/Excor Technical Support

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.

Zerust Lab Facility at NTIC in Circle Pines, Minnesota

Other Helpful Zerust/Excor Literature

ZCIS- The Zerust Corrosion Inhibitor System



Z-CIS is the proven **Zerust Corrosion Inhibitor System** methodology for deploying programs necessary to ensure the protection of metal product shipments in transit around the world. It works with the complex multiple internal and external entities involved in every part of the supply chain. Z-CIS is proven to meet the rust-free and "smoke-free" requirements of various OEMs sourcing from a global supply base. After implementing a Z-CIS system, our clients generally realize total cost savings of at least 10% and rust-free shipment yields as high as 100%. To find out more information about ZCIS download the PDF brochure.

Lab & Technical Services



We provide comprehensive corrosion consultations and lab testing services to determine the effectiveness of the proposed corrosion management system, which can be evaluated under simulated extreme climatic conditions in one of our multiple worldwide regional Zerust/Excor technical support centers. To find out more information about these services download the PDF brochure.

Series Brochures- Packaging, Diffusers, & Liquids



Zerust/Excor offers a wide range of products to solve corrosion issues. You may download our VCI Packaging and Paper, Vapor Capsules and Diffusers, or Liquids, Additives, Cleaners and Rust Removers series brochures to find out more information about these product lines.





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