



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

MRO INDUSTRIAL CORROSION CONTROL PRODUCTS

*Electrical & Electronics
Maintenance & Repair
Eco Products
VpCI® Additives
Concrete Protection*





MRO & INDUSTRIAL

Corrosion is an incredibly destructive force facing everyone who works with metal. In the United States alone corrosion costs industry, and ultimately the consumer, over 350 billion dollars. But that's only part of the story. Many corrosion protection methods employed are less than effective, and worse, are inherently damaging to the earth's environment.



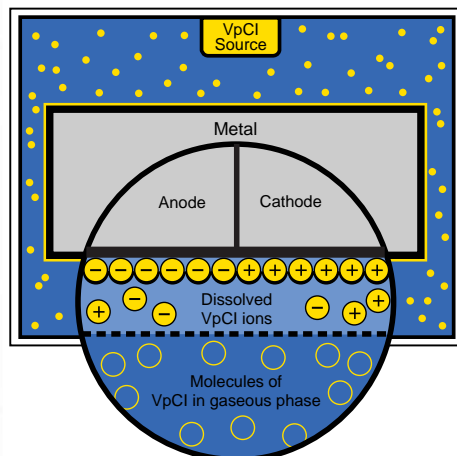
In 1977, as a fledgling company working out of a garage in St. Paul, Minnesota, we had a vision to effectively combat the devastating effects of corrosion, while at the same time creating environmentally friendly alternatives to existing methods of corrosion protection. Through commitment, hard work, and extensive research and development we pioneered the application and distribution of VpCI® (Vapor phase Corrosion Inhibiting) technologies. We're producing a full line of multifunctional products that promise unparalleled benefits to you, our customers.

Through the years, Cortec® Corporation has grown to become the world's leader in corrosion protection technology. But regardless of how large we become, the vision and commitment we began with in that little garage will always remain: to provide corrosion protection to help you increase profits, improve product quality and reduce waste and pollution.

The way we look at it, being a world-leader in VpCI® Technology has its responsibilities.

VpCI® Technology

Ionic Action of VpCI® Creates a Molecular, Inhibiting Layer.



VpCI®:

- Vaporizes.
- Conditions enclosed atmosphere with a protective vapor.
- Vapor migrates to all recessed areas and cavities.
- Vapor condenses on all metal surfaces.
- Ions dissolve in moisture layer (water electrolyte).
- Protective ions are attracted to metal surfaces.
- Ions form a thin, monomolecular protective layer at the metal surface.
- Protective layer re-heals and self-replenishes through further condensation of the vapor.



Visit us at www.cortecvci.com

For technical information call **(800) 4-CORTEC**

MRO & INDUSTRIAL

**CORTEC®
PRODUCTS**

More Effective Corrosion Inhibitors

Health, safety and pollution control.

Cortec's formulations, using the newest chemical technology available, help alleviate your concerns in the areas of health, safety, flammability and pollution control.

Multimetal protection.

A full range of corrosion inhibitors is available to protect ferrous and non-ferrous metals, including formulations that protect combinations of metals.

Short- and long-term protection.

There's a Cortec® solution whether you need temporary protection during in-plant processing, medium-term protection for shipment and storage or extended protection for a variety of environmental conditions. Now you can effectively protect your metals and products against humidity and aggressive atmospheres as well as against corrosive industrial, marine and tropical atmospheres.

Protected parts are immediately ready for use.

The protective invisible layer deposited by Cortec® Vapor phase Corrosion Inhibitors (VpCIs) needs no removal. No degreasing, scraping, cleaning or further preparation is necessary before processing, installation or use. Your VpCI® protected components, parts and finished assemblies are always ready for immediate use.

Does not alter most material properties.

In the majority of cases, the invisible protective ionic layer of Cortec® VpCIs does not alter important surface properties. This is true even for precision electronic devices where conductivity, permittivity and dimensional tolerances are crucial.

For tiny electronic devices to tanker holds.

Cortec® VpCIs protect any size product — from printed circuit board components in processing, or parts stored in a small box, to large transport container shipments.

Table of Contents

3	Electrical and Electronics
3	Emitters
4	ElectriCorr™
5	Maintenance and Repair
5	Industrial Cleaners
6	Lubrication
7	Corrosion Protection
8	Eco Products
8	EcoLine™
10	EcoClean® and EcoSpray®
11	EcoAir®
12	VpCI® Additives
13	MCI®

Cortec® Corporation of St. Paul, MN is the world's largest manufacturer of VpCI® (Vapor phase Corrosion Inhibitor™) chemical products. In addition to excellent customer service and satisfaction, Cortec® has ISO 9001 and 14001 certifications- standards which reflect a dedication to quality and environmentally safe systems.

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Emitter System Features

- Multi-metal protection
- Adhesive backing allows fast, no-tool installation
- Does not require removal prior to start-up
- Protects during equipment operation
- No surface preparation required
- Multi-functional protection: VpCI®, static dissipating and desiccant ability
- Compact space-saving design suitable for OEM applications
- Complies with Southern California Clean Air Act and other local environmental requirements
- Provides continuous long-term corrosion protection
- Economical
- Effective in polluted and humid atmospheres
- Non-toxic and safe to handle
- Free of nitrites, silicates and phosphates
- The molecular VpCI® layer does not interfere with electrical, optical or mechanical surface properties



VpCI® Foam Emitter 101

- Patented VpCI® impregnated foam
- Continuous corrosion protection
- Non-toxic
- NSN# 6850-01-338-1392
- FDA approved
- USDA approved



VpCI® Emitter Cup 105/111

- One way Tyveck® release membrane
- Nitrite, silicone and phosphate free
- Economical, long lasting protection
- Non-toxic
- Easy installation
- No residue
- FDA approved
- 105: NSN# 6850-01-406-2060
- 111: NSN# 6850-01-408-9025



* Tyveck® is a registered trademark of DuPont Worldwide

Part #	Size	Type
0007	1 ft ³ . (0.3 m ³ .)	Emitter

Part #	Size	Type
0092	5 ft ³ . (1.52 m ³ .)	Emitter
0386	11 ft ³ . (3.35 m ³ .)	Emitter

Corrosorber® Cup

- Absorbs corrosive gases
- Irreversible reaction
- Non-toxic
- Superior performance against hydrogen sulfide
- Changes color as it is used up
- Quick installation



Part #	Size	Type
1333	11 ft ³ . (3.35 m ³ .)	Emitter

VpCI® 125 Anti-Stat Bag

- VpCI® impregnated film
- Excellent corrosion protection
- Superior dissipative qualities
- MIL SPEC# B-22020C II
- MIL SPEC# B-81705C II
- MIL SPEC# PRF-817050
- FDA approved
- USDA approved



Part #	Size	Type
0884	4" x 6" (0.1 m. x 0.15 m.)	Bag
1971	6" x 8" (0.15 m. x 0.2 m.)	Bag
2213	8" x 10" (0.2 m. x 0.25 m.)	Bag
0887	10" x 12" (0.25 m. x 0.3 m.)	Bag

ElectriCorr™

Cortec® VpCI® Products

General Applications:

- Electrical panels
- Electronic enclosures
- Tool and spare part boxes
- Electromechanical controls
- Switch gear and relay cabinets
- Marine, aerospace and military instruments
- Light fixtures, monitoring and alarm systems
- Junction fuse boxes and wire ways, bus bars
- Computers and telecommunications equipment
- Control panels for manufacturing equipment
- Scientific instruments
- Many more!



ElectriCorr™ VpCI® 238 Cleaner/Protectant

- Instant corrosion/oxidation protection
- No CFC's
- Displaces moisture
- Anti-static
- 2 year indoor protection
- NSN# 6850-01-413-9361

Part #	Size	Type
0303	9.45 oz. (0.28 l.)	Aerosol
0304	5 gal. (18.93 l.)	Pail
0305	55 gal. (208.2 l.)	Drum



ElectriCorr™ VpCI® 248 Non-Flammable Cleaner/Protectant

- Non-flammable
- Does not alter electrical resistance
- Protects electronic and electrical contacts
- Fast drying
- Non-conductive
- Excellent cleaning action

Part #	Size	Type
2516	9.45 oz. (0.28 l.)	Aerosol



ElectriCorr™ VpCI® 239 Extreme Environment/Outdoor Cleaner/Protector

- Excellent outdoor corrosion protection
- Designed for aggressive environments
- Non-conductive
- Anti-static
- Perfect for exposed contacts and relays
- UV Indicator

Part #	Size	Type
1800	9.45 oz. (0.28 l.)	Aerosol
0996	5 gal. (18.93 l.)	Pail
3510	55 gal. (208.2 l.)	Drum



ElectriCorr™ VpCI® 286 Conformal Coating

- Conforms to surface
- Continuous corrosion protection
- Fast drying
- No VOC's
- UV indicator
- Vibration resistant
- Extends board life

Part #	Size	Type
3076	12 oz. (0.35 l.)	Aerosol
3065	5 gal. (18.93 l.)	Pail
3066	55 gal. (208.2 l.)	Drum



ElectriCorr™ Enviro-Safe Contact Cleaner

- Alternative to 141B
- Non-flammable
- Non-conductive
- No residue
- Extremely fast evaporation
- Safe on most surfaces

Part #	Size	Type
2575	15 oz. (0.44 l.)	Aerosol



ElectriCorr™ Universal Contact Cleaner

- No HCFC's
- Safe on plastics
- No residue
- Fast evaporation
- Non-conductive
- Removes light oils, grease and organic soils

Part #	Size	Type
2606	9 oz. (0.27 l.)	Aerosol

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CorrClean VpCI® 415 Water-based Foaming Cleaner

- Biodegradable
- Water-based
- Superior foaming action
- Rinses clean
- Safe on all surfaces
- Prevents Corrosion
- Conforms to MIL SPEC# MILPRF-87937C

Part #	Size	Type
2569	18 oz. (.53 l.)	Aerosol
3501	5 gal. (18.93 l.)	Pail
3502	55 gal. (208.2 l.)	Drum

Cortec® VpCI® Industrial Cleaners Features

- VpCI® enhanced
- Non-corrosive
- High performance based degreasers
- Non-chlorinated
- Safe handling
- Non-conductive
- Biodegradable alternatives
- No TCE
- No HCFC's
- Eliminates disposal problems



CorWipe® 300 & 500

- Cleaner/Degreaser
- Anti-Stat
- Removes surface rust
- Corrosion inhibitor for multimetals
- Disposable

Part #	Size	Type
2435	25 Ct. Container	500 Wipe
0941	72 Ct. Container	300 Wipe



CorrClean VpCI® 411 Citrus Cleaner

- Industrial strength citrus based degreaser
- Non-conductive
- Cuts grease and oil
- Ideal for adhesives and tar
- No chlorinated solvents
- Controlled evaporation

Part #	Size	Type
2568	11 oz. (0.32 l.)	Aerosol
3506	5 gal. (18.93 l.)	Liquid
3507	55 gal. (208.2 l.)	Liquid



CorrClean Brake and Parts Cleaner

- Non-chlorinated
- No residue
- Non-conductive
- Aggressive degreasing properties
- Fast evaporation

Part #	Size	Type
4051	15 oz. (0.44 l.)	Aerosol
2602	1 gal. (3.79 l.)	Liquid



Safe-T-Charge Pressure/Ultrasonic Parts Washer Additive

- Aggressive water based cleaner
- Safe handling in water soluble bags
- No measuring
- Low foaming
- Excellent flash corrosion resistance
- Biodegradable

Part #	Size	Type
2316	417 Ultrasonic Parts Washer	Low Foam
2317	418 Ultrasonic Parts Washer	No Foam

LUBRICANTS

MAINTENANCE & REPAIR



General Applications

- Conveyors
- Chains
- Cables
- Hinges
- Rollers
- Shafts
- Rails
- Pins
- Bearings
- Machinery
- Drives
- Motors
- Doors



CorrLube™ VpCI® Penetrant

- Low surface tension
- Attacks rust
- Superior penetrating properties
- Lubricates and protects
- Excellent foaming action

Part #	Size	Type
2571	11 oz. (0.32 l.)	Aerosol



CorrLube™ VpCI® 325 Industrial Lubricant

- Displaces moisture
- Protects against corrosion
- Ideal routine maintenance lubricant
- Non-drying
- Indoor/outdoor surface lube

Part #	Size	Type
1974	8 oz (0.23 l.)	Aerosol
0430	5 gal. (18.93 l.)	Liquid
0431	55 gal. (208.2 l.)	Liquid



CorrLube™ VpCI® Lithium EP Grease

- NLGI grade: 2
- Good adhesion properties
- Resists water washout
- Excellent corrosion protection
- Ideal for all bearings

Part #	Size	Type
0220	14 oz. (0.41 l.)	Grease
0336	5 gal (18.93 l.)	Grease
2332	16 gal (60.57 l.)	Grease
0337	55 gal Drum (208.2 l.)	Grease



CorrLube™ VpCI® EP Grease with PTFE

- NLGI grade: 2
- PTFE Additives
- Superior lubrication
- Excellent load bearing capabilities
- Optimum corrosion protection

Part #	Size	Type
4277	14 oz. (0.41 l.)	Grease
6414	5 gal (18.93 l.)	Grease
6434	16 gal (60.57 l.)	Grease
2581	55 gal Drum (208.2 l.)	Grease



CorrLube™ VpCI® Motor Oil

- High performance
- API certified
- Excellent for gas or diesel engines
- Recommended for lay-up or for engines that are infrequently used or stored during the off-season
- Protects against internal corrosion

Part #	Size	Type
3111	32 oz./quart (0.95 l.)	10W-30
3112	32 oz./quart (0.95 l.)	15W-45
6170	5 gal. (18.93 l.)	10W-30
1986	5 gal. (18.93 l.)	15W-45
2336	55 gal. (208.2 l.)	10W-30
2333	55 gal. (208.2 l.)	15W-45

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Cortec® VpCI® Corrosion Inhibitors Features

- Multi-year protection
- Multi-metal protection
- Water based alternatives
- Dry film
- Wet film
- UV resistant
- Self-healing
- Constant VpCI® protection
- VpCI® does not require removal

General Applications

- Outdoor storage
- Aircraft
- Elevators
- Storage tanks
- Vehicles
- Outdoor connections
- Pumps
- Cargo holds
- Marine equipment

CORROSION INHIBITORS



CorShield® VpCI® 368 Extreme Outdoor Corrosion Inhibitor

- Dry, hard, waxy film
- Excellent for corrosive environments
- Multi-year outdoor protection
- Contaminant resistant
- UV resistant
- MIL C-16173E
- MIL C-2218A
- MIL C-83933A
- NSN 8030-00-062-6950

Part #	Size	Type
0037	11 oz. (0.32 l.)	Aerosol
0038	5 gal. (18.93 l.)	Liquid
0039	55 gal. (208.2 l.)	Liquid



CorShield® VpCI® 369 Wet Film Lubricant and Corrosion Inhibitor

- Non-drying
- Excellent lubricity
- Self-healing
- MIL C-16173D (Grades 1, 2, & 4)
- NSN 8030-00-244-1297

Part #	Size	Type
0040	11 oz. (0.32 l.)	Aerosol
0041	5 gal. (18.93 l.)	Liquid
0042	55 gal. (208.2 l.)	Liquid



VpCI® CorrVerter®

- Stops rust and neutralizes oxidation
- No surface preparation needed
- Alternative to cleaning, sandblasting
- Water-based
- Non-toxic
- Non-flammable

Part #	Size	Type
4113	16 oz. (0.47 l.)	Liquid
3119	5 gal. (18.93 l.)	Liquid
3120	55 gal. (208.2 l.)	Liquid



Cor-Pak® 1-MUL Pouch

- No cleaning
- Self replenishing
- 24-month protection
- Multi-metal protection
- Dual properties- desiccant/corrosion inhibitor

Part #	Size	Type
0016	1 ft ² . (0.3 m ² .)	Emitter



VpCI® 126 Zipper Poly Bags

- Non-toxic
- VpCI® "charged" interior
- No residue
- Stops rust, tarnish, staining, white rust
- Eliminates cleaning after storage
- Recyclable
- MIL PRF-22019
- MIL PRF-220200

Part #	Size	Type
0110	6" x 8" (0.15 m. x 0.2 m.)	Bag
0111	10" x 12" (0.25 m. x 0.3 m.)	Bag
0112	12" x 18" (0.3 m. x 0.46 m.)	Bag





EcoLine VpCI® Surface Cleaner & Degreaser is ready to use, industrial strength, neutral pH balanced and biodegradable.

A strong environmental concern is part of Cortec's past and future as Cortec® produces and sells products that protect metals of all kinds from environmental degradation. A strong commitment to produce products that can be recycled has been and will be our future policy.



EcoLine™ VpCI® Surface Bio-Based Cleaner & Degreaser

- Ready to use
- Industrial strength
- Designed to be used in industrial and commercial cleaning applications
- Neutral pH balanced
- Includes proprietary VpCI® corrosion protection after cleaning
- Biodegradable

Part #	Size	Type
3568	16 oz. (0.47 l.)	Trigger Spray
3557	5 gal. (18.93 l.)	Liquid
3558	55 gal. (208.2 l.)	Liquid



EcoLine™ VpCI® Bio-Based Long Term Rust Preventative

- Multi-metal protection
- Designed to protect against salt spray and high moisture conditions
- Includes proprietary VpCI® long-term corrosion protection
- Biodegradable

Part #	Size	Type
2419	16 oz. (0.47 l.)	Trigger Spray
3084	5 gal. (18.93 l.)	Liquid
6405	55 gal. (208.2 l.)	Liquid



EcoLine™ VpCI® Bio-Based Cutting Fluid

- Cools work piece and tools
- Provides corrosion protection and lubrication
- Non-toxic/non-hazardous
- Eliminate galling and seizing
- Biodegradable

Part #	Size	Type
2420	16 oz. (0.47 l.)	Squirt Container
1979	5 gal. (18.93 l.)	Liquid
1980	55 gal. (208.2 l.)	Liquid

EcoLine™ products are based on a renewable resource soybean derivatives, called soybean methyl esters. These Soya-based products provide excellent lubricity and biodegradability. EcoLine™ products are better for the environment and leave behind a high performance VpCI® corrosion-protecting layer. These products have been developed in partnership with AURI and the Minnesota Soybean Research and Promotion Council.



As soon as the ISO 14001 guidelines were published in 1996, Cortec® made the commitment to become ISO 14001 certified. In March 1998, Cortec® Corporation became one of the first companies in Minnesota to receive ISO 14001 certification.

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Features

- VpCI® enhanced
- Bio-based Soya derivative
- Biodegradable
- Environmentally friendly
- Latest biotechnology
- Conforms to EPA's EPP criteria
- Non-flammable
- Meet USDA's Bio-based EO 13101
- Alternative to petroleum
- No CFC's or HCFC's
- Protects against corrosion
- Revolutionary technology

EcoLine™



EcoLine™ Bio-Based All Purpose Lubricant is an easy to use biodegradable VpCI® lubricant which provides greaseless lubricity while it displaces moisture.



EcoLine™ Bio-Based All Purpose Lubricant

- Displaces moisture
- Greaseless lubricity
- Modified for use with extreme pressure loads
- Includes proprietary (VpCI®) technology
- Biodegradable

Part #	Size	Type
4108	16 oz. (0.47 l.)	Spray
3551	5 gal. (18.93 l.)	Liquid
2151	55 gal. (208.2 l.)	Liquid



EcoLine™ Bio-Based Bearing, Chain & Roller Lubricant

- Thermally stable
- Resists sling-off from high speed chains
- Prevents smoking when under load
- Reduces vibration and noise
- Biodegradable
- Non-flammable

Part #	Size	Type
2580	16 oz. (0.47 l.)	Squirt Container
2346	5 gal. (18.93 l.)	Liquid
2347	55 gal. (208.2 l.)	Liquid



EcoLine™ Bio-Based H-1 Food Grade Grease

- Biodegradable
- Meets USDA bio-based product definition
- Replaces traditional mineral oil based food grade greases
- Includes VpCI® technology
- Multi-metal protection

Part #	Size	Type
6335	14 oz. (0.41 l.)	Grease
6327	16 oz. (0.47 l.)	Grease
2380	5 gal. (18.93 l.)	Grease
2381	55 gal. (208.2 l.)	Grease



EcoLine™ Bio-Based Premium Heavy Duty Grease

- Biodegradable
- Meets USDA bio-based product definition
- Superior lubricity
- Includes VpCI® technology
- Indoor and outdoor multi-metal protection

Part #	Size	Type
2296	14 oz. (0.41 l.)	Grease
0500	5 gal. (18.93 l.)	Grease
0501	55 gal. (208.2 l.)	Grease



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EcoClean® & EcoSpray®



EcoClean® 423 Rust Remover

- Removes surface rust, tarnish
- Excellent for rust stains
- 100% Biodegradable
- USDA approved
- Clings to vertical surface



EcoClean® 433 Graffiti Remover

- Removes ink, wax, paint
- Non-corrosive
- Non-hazardous
- Gel clings to vertical surface
- Environmentally safe

Part #	Size	Type
0436	16 oz. (0.47 l.)	Gel
0105	5 gal. (18.93 l.)	Gel
0106	55 gal. (208.2 l.)	Gel

Part #	Size	Type
4102	16 oz. (0.47 l.)	Gel
0733	5 gal. (18.93 l.)	Gel
0734	55 gal. (208.2 l.)	Gel

EcoSpray® and EcoClean® products attack the toughest maintenance duties while respecting the environment. They incorporate non-toxic, biodegradable chemicals without aerosols, propellants, or ozone-depleting CFCs. Fast-acting, dependable, and safe to handle, EcoSpray® and EcoClean® lead the way in environmentally safe technology.



EcoSpray® 238 Electronic Cleaner

- Cleans and protects
- CFC free
- Displaces moisture
- Vapor phase protection in vented or unvented enclosure
- Does not alter electrical resistance



EcoSpray® 416 Cleaner/Degreaser

- Heavy duty cleaner of grease, oil, soils
- Non-toxic
- Multi-metal corrosion protection
- Mild foaming
- USDA approved

Part #	Size	Type
0432	16 oz. (0.47 l.)	Pump Spray

Part #	Size	Type
0435	16 oz. (0.47 l.)	Trigger Spray
0355	5 gal. (18.93 l.)	Liquid
0356	55 gal. (208.2 l.)	Liquid



EcoSpray® 325 Industrial Lubricant

- Environmentally friendly
- Universal corrosion protection
- Excellent penetrating properties
- Effective in adverse climate conditions
- Wet film/non-drying



EcoSpray® 389 Rust Blocker

- Excellent outdoor protection
- Multi-metal protection
- Superior salt spray resistance
- Replaces oil based inhibitors
- Easily removed with alkaline cleaner

Part #	Size	Type
0433	16 oz. (0.47 l.)	Trigger Spray
0430	5 gal. (18.93 l.)	Liquid
0431	55 gal. (208.2 l.)	Liquid

Part #	Size	Type
0434	16 oz. (0.47 l.)	Trigger Spray
3555	5 gal. (18.93 l.)	Liquid
3556	55 gal. (208.2 l.)	Liquid

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ECO PRODUCTS

We are proud to introduce a major step forward in aerosol technology: EcoAir® air-powered aerosol products. For the first time in the industry, we are providing aerosol products that are powered by compressed air rather than traditional chemical propellants. This technology is innovative because product is filled into a four-layer Mylar EcoPouch™ inside the can, which is pressurized. As the valve is depressed, the surrounding pressure expels the bag's contents. The major advantages of EcoAir® technology are:

- Non-flammable
- No product contamination by propellant
- Safer to ship and store, with very low or no environmental impact
- Unique water-based products
- Spray in any direction, even upside-down



EcoAir®



EcoAir® VpCI® 414 Cleaner/Degreaser

- Fast cleaning
- Water based
- Removes oil and grease
- Multi-metal protection
- Biodegradable

Part #	Size	Type
1806	13 oz. (0.38 l.)	Air Powered



EcoAir® VpCI® 422 Non-toxic Rust Remover

- Rust and stain remover
- Non-polluting
- Organic chemistry
- USDA approved
- Biodegradable

Part #	Size	Type
2273	14 oz. (0.41 l.)	Air Powered



EcoAir® VpCI® 324 Anti-Bacterial Penetrant

- Loosens rusty parts
- Displaces water
- Multi-metal protection
- USDA H-1 approval
- Low surface tension

Part #	Size	Type
1802	10 oz. (0.3 l.)	Air Powered



EcoAir® VpCI® 377 Corrosion Preventative

- Water based
- 1 year indoor protection
- Clean, dry, hydrophobic film
- Non-flammable
- Paintable
- Multi-metal protection

Part #	Size	Type
3046	12 oz. (0.35 l.)	Air Powered



EcoAir® VpCI® 337 Vapor Charge Fogger

- Excellent internal protection for crates, boxes and shipping containers
- Non-toxic
- Dries tack free
- Non-flammable
- Locking release valve

Part #	Size	Type
1804	13 oz. (0.38 l.)	Air Powered



EcoPouch™

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LAYUP, STORAGE & MOTHBALLING



Cooling Loop Gator®

- Dry or wet lay-up of cooling towers
- Environmentally friendly & non-toxic
- Compatible with cooling water chemistries
- Unique VpCI® action & three phase protection
- Up to 24 months protection with one application

Part #	Size	Type
1178	4/2.2 lb. (1 kg.)	Powder

Boiler Lizard™

- Dry lay-up of boilers
- Easy start up
- Environmentally friendly & non-toxic
- Compatible with boiler water chemistries
- Unique VpCI® action & three phase protection
- Up to 24 months of protection with one application

Part #	Size	Type
2044	1 3.3 lb. (1.5 kg.)	Powder

M-529 Multi-purpose Oil Additive

- Compatible with most types of engine oils, gear oils, hydraulic oils
- Unique VpCI® action & three phase protection
- Protects during the operation as well as the storage mode
- Easy-to-use

Part #	Size	Type
3096	5 gal. (18.93 l.)	Oil Additive
3097	55 gal. (208.2 l.)	Oil Additive
3565	275 gal. (1041 l.)	Oil Additive



Need for corrosion protection during a temporary or long term storage, lay-up, or a mothballing is a demanding application. As an industry leader, Cortec® employs the most effective and latest environmentally friendly technology in corrosion prevention for protective storage.

Examples of equipment protected with Cortec's VpCIs:

- Pumps
- Boilers
- Gear cases
- Electric motors
- Cooling towers
- Heat exchangers
- Compressor rotors
- Bearings & bushings
- Pressure vessels and tanks
- Diesel & gasoline engines

There are several other unique Cortec® products that are utilized in lay-up applications. Please consult your Cortec® representative for further details.

Visit us at www.cortecvci.com

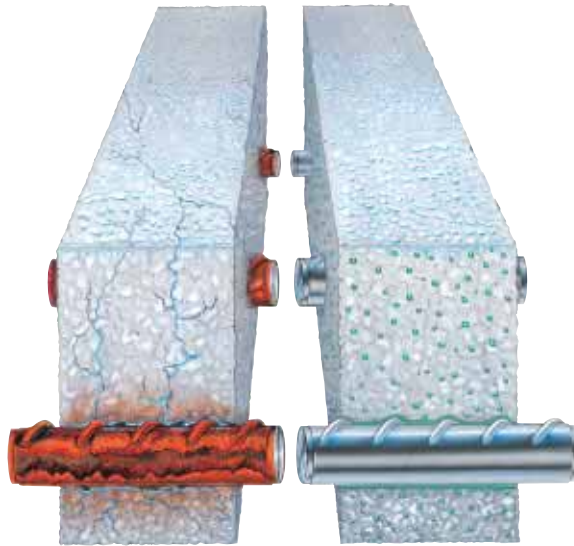
For technical information call (800) 4-CORTEC



CONCRETE PROTECTION

Cortec®'s patented MCI® technology protects reinforcing metal in concrete from corrosion. MCIs, Migrating Corrosion Inhibitors™, rehabilitate existing concrete structures and extend the life span of new structures. Often corroding rebar in deteriorating concrete is the cause of costly repairs, financial losses, injuries and deaths, but Cortec® has the corrosion solution. Cortec® MCI® products for concrete maintain structural integrity, rehabilitate vulnerable structures and alleviate environmental concerns. A unique feature of MCI® is that the inhibitor will migrate a considerable distance through concrete to protect the embedded ferrous metals.

MCI® PRODUCTS



Cortec® makes a MCI® product that protects rebar in concrete from corrosion in new and existing structures (left). MCI® inhibitors will migrate a considerable distance through concrete to protect the embedded ferrous metals.

MCI® 2026 Floor Coating (right) meets all of the USDS guidelines for use in Federally inspected poultry and meat plants



MCI® 2039

- Two-component, fiber reinforced repair mortar
- Can be applied by trowel & normal rendering tools and/or a spray rendering machine
- MCI® not only offers corrosion protection to the repair area, but to adjacent areas as well
- Low modulus of elasticity
- Thixotropic

Part #	Size	Type
836	55.1 lb. (24.99 kg.) Part A	Powder
837	11.25 lb. (5.1 kg.) Part B	Liquid

MCI® 2038

- Two-component, fiber reinforced repair mortar
- Can be applied by trowel & normal rendering tools and/or a spray rendering machine
- Similar properties to MCI® 2039, but with smaller aggregate for a smooth finish
- Thixotropic

Part #	Size	Type
2427	55.1 lb. (24.99 kg.) Part A	Powder
2436	11.25 lb. (5.1 kg.) Part B	Liquid

MCI® Grenades

- MCI® admixture for new concrete construction or repair
- Does not affect air entrainment, compressive strengths or setting time of the concrete mix
- Does not contain calcium nitrate
- Non-flammable
- Environmentally friendly

Part #	Size	Type
953	MCI® Grenades	Powder/Bag
2125	MCI® Metric Grenades	Powder/Bag
2135	MCI® Mini Grenades	Powder/Bag

MCI® 2022

- Water-based silane/siloxane based sealer
- Apply by spray, roller, squeegee or paint brush
- Non-toxic, contains no nitrites, phosphates or solvents
- Penetrates deep into concrete to block carbonation & Cl intrusion
- MCI® migrates to protect embedded steel reinforcement

Part #	Size	Type
948	5 gal. (18.93 l.)	Liquid
3562	V/O 5 gal. (18.93 l.)	Viscous Liquid
949	55 gal. (208.2 l.)	Liquid
3563	V/O 55 gal. (208.2 l.)	Viscous Liquid

MCI® PRODUCTS

CONCRETE PROTECTION



Cortec® MCI® Features

- Organic, safe & environmentally friendly
- Provides multimetal protection
- Does not contain any calcium nitrite
- Protects against corrosion even in dense concrete
- Does not affect the physical properties of the concrete mix (air entrainment, set time, strength or slump)

General Applications

- All reinforced, precast, prestressed, post-tensioned or marine concrete structures
- Restoration and repair of all reinforced concrete structures.
- Parking decks, ramps and garages
- Concrete industrial floors, piers, piles, pillars, pipe and utility poles.
- Steel reinforced concrete bridges, highways, streets and building facades exposed to corrosive environments.

MCI® 2020

- Available in v/o version
- UL certified to meet NSF Std. 61 requirements
- Easily applied by spray, brush or roller
- Surface applied migrating corrosion inhibitor for existing concrete structures
- Confirmed effective in initial field evaluation
- No cure time required

Part #	Size	Type
168	5 gal. (18.93 l.)	Liquid
2163	V/O 5 gal. (18.93 l.)	Viscous Liquid
169	55 gal. (208.2 l.)	Liquid
2162	V/O 55 gal. (208.2 l.)	Viscous Liquid

MCI® 2038 and MCI® 2039 repair mortar not only offers corrosion protection to the repair area, but to adjacent areas as well.

MCI® 2026 Floor Coating

- 100% solids, 2-component, novolac epoxy
- Excellent corrosion and abrasion resistance
- Meets all of the USDA guidelines for use in Federally inspected poultry & meat plants
- Available in clear, gray and a selection of colors
- Can be made anti-slip

Part #	Size	Type
2284	2.5 gal. kit (125-150 ft ² /gal) (9.46 l.) (38.1-45.72 m ² /l)	2 component kit

MCI® 2026 Primer

- Recommended primer for MCI® 2026 Floor Coating
- VOC compliant odorless and solvent free
- Moderate chemical resistance and good abrasion resistance
- Eliminates concrete dust
- Meets USDA guidelines for use in federally inspected poultry and meat plants

Part #	Size	Type
2285	3 gal kit (250-350 ft ² /gal) (11.36 l.) (76.2-106.7 m ² /l)	2 component kit

Visit us at www.cortecvci.com

For technical information call **(800) 4-CORTEC®**





*Cortec® Corporation's World Headquarters.
Committed to nature's preservation.*

TOTAL CORROSION CONTROL™

Cortec® Corporation® is dedicated to controlling corrosion at ALL STAGES of a product life cycle. Cortec® has developed a diverse range of corrosion protection products including cleaners, metalworking fluids, water- and oil-

based coatings and corrosion inhibitors, rust removers, paint strippers, powders, packaging foams, paper, films, and surface treatments and admixtures for concrete. Contact Cortec® for additional brochures and information.

Visit our website for more information on Cortec® Vapor phase Corrosion Inhibitors™.
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