ECOsonic® Line: VpCl® products for protection of electronics & electricals.
Cortec® VpCI® Emitting Systems
Cortec® offers a complete full-service line of products in convenient-to-use sizes. Cortec® products are an excellent quality assurance tool for everything from major manufacturers of electronics to do-it-yourself home-built kits. Corrosion can be stopped at any step from manufacturing to final installation. Integrate all your electronic/electrical protection needs from a single source supplier.

Cortec® Emitting Systems Offer — Reliability, Service Life, and Cost Reduction.
Corrosion of complex electrical and electronic equipment is an increasingly serious problem causing expensive failures. Corrosion occurs during manufacturing, shipping, storage, and field operations. It can be caused by:

- Salt, moisture, contaminants, hydrogen sulfide, sulfur dioxide, ammonia, or acid rain
- Galvanically-induced attack
- Equipment operation in non-controlled atmospheres

With Cortec® Emitting Systems, sensitive equipment is protected against corrosion, thereby extending its life and reducing the cost of expensive repairs.

How VpCI® Emitters protect your equipment.
Emitters and tapes are designed to protect products, components, or parts against corrosion when enclosed in non-ventilated housings, control boxes or other enclosures. The VpCI® Emitter releases a vapor into the interior of the package, the vapor then deposits on the metal surfaces and forms a protective molecular layer. This layer of VpCI® provides multimetal protection and helps reduce corrosion in the enclosure.

Cortec® products are environmentally friendly.
Cortec® products prevent corrosion while being non-toxic, safe to handle and apply, and free of nitrates and silicones. They allow manufacturers to develop environmentally friendly "green" products by using fewer toxic materials.

EcoEmitter®
- EcoEmitter® constructed from OK Biobased 3-Star Rated, resin
- EcoEmitter® protects 8.8 cubic feet (0.25m³)
- One way 100% biobased breathable membrane
- Non-toxic
- Easy installation
- No residue
- Provides protection for up to twenty-four months
- No spraying, wiping, or dipping required

VpCI®-150 & VpCI®-170 Tape, Patented
- VpCI® impregnated foam tapes with adhesive backing
- Corrosion protection lasts up to two years
- NATO# 8030-00-244-1299, MIL-B-81075C, NSN 8030-01-208-1769
- USDA approved
- USDA approved

Cor-Pak® Tablets
- Protect up to 0.25 cubic feet (7.1 liters) of enclosed space per tablet
- Easily inserted in packaging by manual or automated systems
- Vapor phase inhibiting action protects inaccessible and recessed surfaces
- The VpCI® layer does not interfere with the operation of most electrical and electronic components
**PACKAGING**

VpCI® Corrosorber® Paper
- Contains hydrogen sulfide scavenger and saturation indicator
- Effective against aggressive environments including humidity, SO₂, H₂S and galvanic corrosion from dissimilar metals
- Combines protection from tarnish and packaging into one step
- Non-toxic. Contains no nitrates, phosphates, silicones, chromates or other heavy metals

VpCI®-125, Patented
- VpCI® impregnated film.
- Excellent corrosion protection.
- Superior dissipative qualities.
- MIL SPEC# B-22020C II.
- MIL SPEC# B-81705C II.
- MIL SPEC# PRF-81705.
- USDA approved.
- Heat Sealable.
- Static dissipative corrosion-inhibiting bags and sheeting.
- MIL SPEC# B-81705C Type II
- MIL SPEC# B-22019F.

Cor-Pak® I MUL
- No cleaning
- Self-replenishing
- Twenty-four month protection
- Multi-metal protection
- Dual properties/dessicant/corrosion inhibitor

Desicorr/Desicorr VpCl®
- Desicorr VpCl® offers dual VpCl® protection
- Both have desiccant protection
- Non-Toxic
- No degreasing or cleaning or part required.
- MIL-D-3464E Type I & Type II

**CORROSORBER®**

Corrosorber®
- Absorbs corrosive gases
- Non-toxic
- Non-corrosive reaction
- Superior performance against H₂S
- Changes color as it is used up
- Quick installation

Corrosorber® Pouch
- Scavenges corrosive gases
- Changes color as it is used up
- Non-toxic
- Very convenient to use
- Changes color as it is used up
- Protects during operation and shutdown
- Compact, space-saving, unobtrusive device

VpCI®-308 Pouch
- Creates inhibiting layer on metal surface
- Provides up to 24 months of continuous protection
- Does not contain nitrates, phosphates, or heavy metals

**SPRAY**

ElectriCorr® VpCI®-238
- Instant corrosion/oxidation protection
- No CFC's
- Displaces moisture
- Anti-static
- 2 year indoor protection
- NSN# 6850-01-413-9361

ElectriCorr® VpCI®-239
- Excellent outdoor corrosion protection.
- Designed for aggressive environments.
- Non-conductive
- Anti-static
- Perfect for exposed contacts and relays.
- UV Indicator

ElectriCorr® VpCI®-248
- Long-term corrosion protection
- Increased corrosion protection at a lower cost than conventional rust preventives
- Minimized field service
- Non-flammable

ElectriCorr® VpCI®-286
- Conforms to surface
- Continuous corrosion protection
- Fast drying
- No VOC's
- UV indicator
- Vibration resistant
- Extends board life

**CORWIPE®**

Corwipe®
- 500 Patented
- Strong DuPont Sontara® wipe
- Cleaner/Degreaser
- Anti-Stat
- Removes surface rust
- Corrosion inhibitor for multimetals
- Disposable
Cortec’s Vapor Corrosion Inhibitor stands up to vigorous testing. This accelerated test method for rust protection in a humid cabinet is used for evaluating the rust preventative properties of metal preservatives under conditions of high humidity. One circuit board was left untreated and an enclosure with the other was treated with Cortec’s Vapor Corrosion Inhibitor protection. The criteria for passing or failing the test is the size and number of rust dots on the test surfaces.

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed. Cortec Corporation warrants Cortec products will be free from defects when shipped to customer. Cortec Corporation’s obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec Corporation of the claimed defect within six months after shipment of product to customer. All height charges for replacement product shall be paid by customer. Cortec Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THERewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec Corporation. THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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

Benefits
- Cost Reduction
- Reduced consumption
- Materials
- Labor
- Time
- Value Added Product/Service
- Peace of Mind During Shipping/Storage
- Less Periodic Maintenance
- Reduced Surface Preparation

Corroded telecommunications enclosure packed with electronics ready to collapse.