

VpCI™ Electrical & Electronic Products

zum Schutz von Elektronik,
Gehäusen, Geräteausstattung,
Steuerelementen und Anwendungen
des Originalausrüstungsherstellers.



Cortec VpCI® Elektrische & Elektronische Produkte mit Mehrwerteigenschaften:

Cortec bietet eine komplette Volservice-Produktlinie in gebrauchsfreundlichen Grössen. Cortec Produkte sind ein ausgezeichnetes Qualitätssicherungstool für alle Anwendungen beim grossen Elektronikhersteller bis zum selbstgemachten Heimwerkerkit. Die Korrosion lässt sich bei jedem Verarbeitungsschritt von der Herstellung bis zur Schlussinstallation stoppen. Decken Sie Ihren gesamten Bedarf an Schutz für elektronische und elektrische Geräte und Ausrüstungen aus einer Hand..

Cortec Emittersysteme bieten Sicherheit, Lebensdauer und Kostenreduktion.

Korrosion an komplexer elektrischer und elektronischer Ausrüstung wird immer mehr zum ernsthaften Problem, da sie zu teuren Ausfällen führt.

Korrosion tritt bei Herstellung, Versand, Lagerung und Feldprozessen auf.

Mögliche Ursachen sind:

- o Salz, Feuchtigkeit und luftgetragene Verunreinigungen, Schwefelwasserstoff, Schwefeldioxid, Ammoniak oder saurer Regen
- o Galvanisch induzierte Schädigung
- o Bedienung von Ausrüstungen in nicht-kontrollierten Umgebungen

Mit den Cortec Emittersystemen sind sensible Ausrüstungen korrosionsgeschützt, so dass deren Lebensdauer länger wird und sich die Kosten teurer Reparaturen reduzieren.

Wie Cortec® VpCI Emmitter Ihre Ausrüstung schützen.

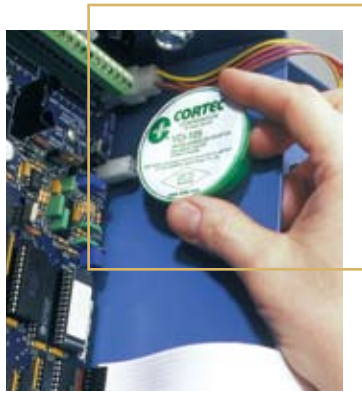
Cortec VpCI Produkte, Emmitter und Bänder bieten Korrosionsschutz für Produkte, Komponenten und Teile in abgeschlossenen und belüfteten Gehäusen, Steuerkästen und anderen geschlossenen Räumen. Der VpCI Emmitter gibt einen Dampf ins Innere der Packung ab. Der Dampf setzt sich dann auf der Metalloberfläche an und bildet eine molekulare Schutzschicht. Diese VpCI Schicht bietet für verschiedene Metalle Schutz und hilft, im Inneren des geschlossenen Raums durch Feuchtigkeit bedingte Korrosionserscheinungen zu reduzieren.



Cortec® Produkte sind umweltfreundlich.

Elektronikhersteller verwenden heute viele giftige Materialien wie Blei, Chrom, Kadmium, Nickel und Zink zur Vermeidung von Korrosionserscheinungen. Cortec Produkte beugen der Korrosion vor und sind nicht toxisch, sicher in Handhabung und Anwendung sowie frei von Nitriten und Silikonen. Sie ermöglichen den Herstellern die Entwicklung umweltfreundlicher bzw. "grüner" Produkte bei Verwendung geringerer Mengen toxischer Materialien..

EMITTER



Cortec® VpCI-101 Device

- Patented VpCI impregnated foam
- Continuous corrosion protection for 1 cubic foot of enclosed space
- Non-toxic
- NSN 6850-01-338-1392, MIL PRF-81705D
- FDA and USDA approved



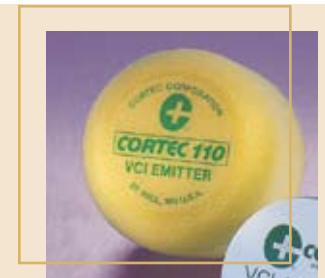
Cortec® VpCI-105 and VpCI-111 Emitters

- One way Tyveck release membrane.
- Nitrite, silicone and phosphate free.
- Economical and long lasting protection.
- VpCI-105 protects 5 cubic feet and VpCI-111 protects 11 cubic feet of enclosed space.
- Easy installation, Non-toxic and No residue.
- VpCI-105 NSN 6850-01-406-2060, MIL I-22110C
- VpCI-111 NSN 6850-01-408-9025, MIL I-22110C



Cortec® VpCI-110 Emitters

- Foam emitter with a breathable, open-cell construction.
- Protects 10 cubic feet (283 liters) of enclosed space for up to two years.
- NSN 6850-01-456-2971, MIL I-22110C.
- Self-stick back and self-stick label on which to write the installation date.
- FDA and USDA approved.



Cortec® VpCI-150 and VpCI-170 Foam Tapes

- VpCI impregnated foam tapes with adhesive backing.
- Corrosion protection lasts up to two years.
- NATO 8030-00-244-1299, MIL-B-81705C, NSN 8030-01-208-1769
- FDA and USDA approved.



PACKAGING



Cortec® VpCI-125

- VpCI extruded film.
- Excellent corrosion protection.
- Superior dissipative qualities.
- CONFORMS TO:
 - MIL PRF 81705D
 - MIL PRF-22010A(1)
 - MIL PRF-22020D
- FDA and USDA approved.

Cor-Pak® 1 MUL Pouches

- 24-month protection
- No cleaning
- Self replenishing
- Dual properties desiccant / corrosion inhibitor
- Multi-metal protection
- NSN 6850-01-470-2737



CORWIPE



Corwipe® 500 / 300

- Strong Dupont Sontara® wiper
- Cleaner/Degreaser
- Removes surface rust
- Corrosion inhibitor for multi metals
- Electro-Static dissipative
- Disposable



Features

- Provides continuous long-term corrosion protection
- Economical to apply
- Effective in polluted and humid atmospheres
- Non-toxic and safe to handle and apply
- The molecular VpCI™ layer does not interfere with electrical, optical or mechanical surface properties
- Multi metal 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. values; 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**

SPRAY



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-238

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

ElectriCorr® VpCI-248

- Non-Flammable
- Protects contacts
- Fast drying
- Excellent cleaning action
- Non-conductive



ElectriCorr® VpCI-286

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

TESTING...

Cortec's Vapor Corrosion Inhibitor stands up to vigorous testing.

This accelerated test method for rust protection in a humidity cabinet is used for evaluating the rust preventative properties of metal preservatives under conditions of high humidity.

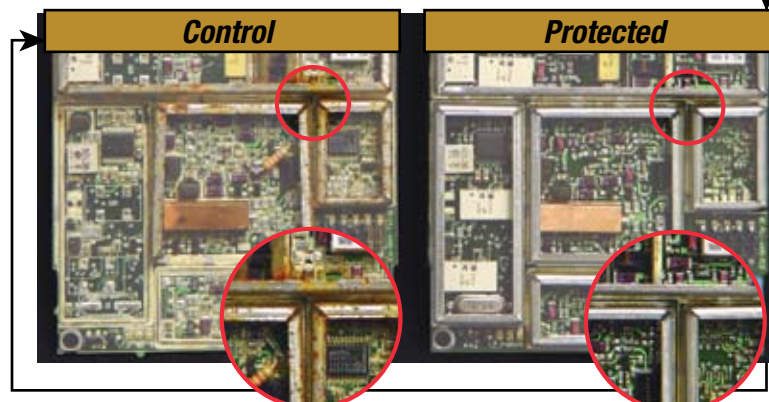
One circuit board was left untreated in an enclosure while the other was treated with Cortec's Vapor Corrosion Inhibitor protection. The criteria for passing or failing the test is the size and number of rust dots on the test surfaces.

CORROSORBERS



Corrosorbent™

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



	Product	Description	Protection	Packaging	Applications
Emitters	VpCI-101	Vapor phase Corrosion Inhibiting device with adhesive backing 3" L x 1.25" W x 1/4" H (76 mm L x 32 mm W x 6 mm H) MIL PRF-81705D, NSN 6850-01-338-1392. Patented, FDA, USDA Approved	1.0 ft³ (.03 m³)	50/carton	Operating, packaged and stored electrical equipment, marine navigation and communication equipment, aerospace electrical controls, electric motors, switching equipment, fuse boxes, medical equipment, electrical wire ways, terminal boxes, scientific and measuring instruments, telecommunications equipment, control panels for manufacturing and processing equipment.
	VpCI-105	Vapor phase Corrosion Inhibiting Emitter with breathable membrane 2.3" diameter x 0.75" H (58.4 mm diameter x 19 mm H) NSN 6850-01-406-2060, MIL I-22110C. FDA, USDA Approved	5.0 ft³ (.14 m³)	20/carton	
	VpCI-110	Vapor phase Corrosion Inhibiting Emitter 2.5" diameter x 2" H (64 mm diameter x 51 mm H) MIL I-22110C, NSN 6850-01-456-2971. Patented, FDA, USDA Approved	10.0 ft³ (.28 m³)	12/carton	
	VpCI-111	Vapor phase Corrosion Inhibiting Emitter with breathable membrane 2.3" diameter x 1.27" H (58.4 mm diameter x 32.3 mm H) MIL I-22110C, NSN 6850-01-408-9025. FDA, USDA Approved	11.0 ft³ (.31 m³)	10/carton	
	VpCI-133	Vapor phase Corrosion Inhibiting Squares with adhesive backing 1" L x 1" W x 1/4" H (2.5 cm x 2.5 cm x 0.64 cm) MIL-B-81705D, NSN 6850-01-426-3539	0.33 ft³ (.01 m³)	Approx. 1000/carton	
	VpCI-150	Vapor phase Corrosion Inhibiting Foam Tape with adhesive backing 12" L x 3/4" W x 1/4" H (3.7 m x 19 mm x 6 mm) NATO 8030-00-244-1299. Patented, FDA, USDA Approved	0.4 ft³/in. (.005 m³/cm)	6 rolls/carton	
	VpCI-170	Vapor phase Corrosion Inhibiting Foam Tape with adhesive backing 20" L x 2" W x 1/4" H (6.1 m x 51 mm x 6 mm) NATO 8030-00-244-1299. Patented, FDA, USDA Approved	1.0 ft³/in. (.03 m³/cm)	1 roll/carton	
Packaging	VpCI-125	Static dissipative and Vapor phase Corrosion Inhibiting bags and sheeting. Conforms to MIL PRF-81705D, MIL PRF-22010A(1), and MIL PRF-22020D. Patented, FDA, USDA Approved.	Varies	Custom sizes	For storage and/or packaging of sensitive electronic equipment. For wrapping or inserting with packaging material.
	VpCI-137	Static dissipative Vapor phase Corrosion Inhibiting foam 130" L x 54" W x .25" H (39.6m x 1.35m x 0.625 cm) Conforms to MIL PRF-81705D, MIL PRF-22020D, NSN 6850-01-426-3539. Patented, FDA, USDA Approved.	Varies	Custom and standard sizes available	
	Cor-Pak® 1 MUL	Multifunctional pouch with VpCI/desiccant action 2.5" L x 2.5" W x .125" H (6.4 cm x 6.4 cm x 0.3 cm) GSA 8030-01-208-1769, NSN 6850-01-470-2737	1.0 ft³ (.03 m³)	Pouch with VpCI 300/carton	Small voids, electronics, parts shipping, packaging; dustless
Corwipe	Corwipe® 500/300	Lint-free Dupont Sorbara® wipe for cleaning and protecting equipment, tools and all raw and coated metals. This strong, non-hazardous, water-based is safe to use even with food processing equipment. Patented.	Varies	25 wipes per package, 12 packages per carton	Test equipment, computers, PC boards, aircraft and satellite components, audio and video equipment, power terminals, any sensitive raw or painted metal parts or equipment.
Spray	ElectriCorr® VpCI-238	Multifunctional contact cleaner and multi metal corrosion inhibitor 12 oz. (340 g) cans, drums. NSN 6850-01-413-9361	50.0 ft²/can (4.65 m²/can)	6 cans/carton 5 gal (19 l) 55 gal (208 l)	Integrated circuitry, bus bars, electrical stations
	ElectriCorr® VpCI-239	Outdoor version of VpCI-238 12 oz. (340 g) cans, drums	50.0 ft²/can (4.65 m²/can)	6 cans/carton 5 gal (19 l) 55 gal (208 l)	Integrated circuitry, bus bars, outdoor electrical connections
	ElectriCorr® VpCI-248	Non-flammable contact cleaner and multi metal corrosion inhibitor 12 oz. (340 g) cans, drums.	50.0 ft²/can (4.65 m²/can)	6 cans/carton 5 gal (19 l) 55 gal (208 l)	Integrated circuitry, bus bars, electrical stations
	ElectriCorr® VpCI-286	Acrylic-based conformal coating 11 oz. (312 g) aerosol cans, drums	240-320 ft²/gal @1 mil (6-8 m²/l) @ 25 microns)	6 cans/carton 5 gal (19 l) 55 gal (208 l)	Manufacture and field repair of printed circuit boards
Corrosorber	Corrosorber™	Capsule for absorption of corrosive gases 2.3" diameter x 1.27" H (58.4 mm diameter x 32.3 mm H)	10.0 ft³ (.28 m³)	10/carton	Corrosorbers absorb hydrogen sulfide and other corrosive gases.

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 freight 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.

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Distributed by:

4119 White Bear Parkway, St. Paul, MN 55110 USA
 Phone (651) 429-1100, Fax (651) 429-1122
 Toll Free (800) 4-CORTEC, E-mail: info@cortecvci.com
www.CortecVCI.com

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