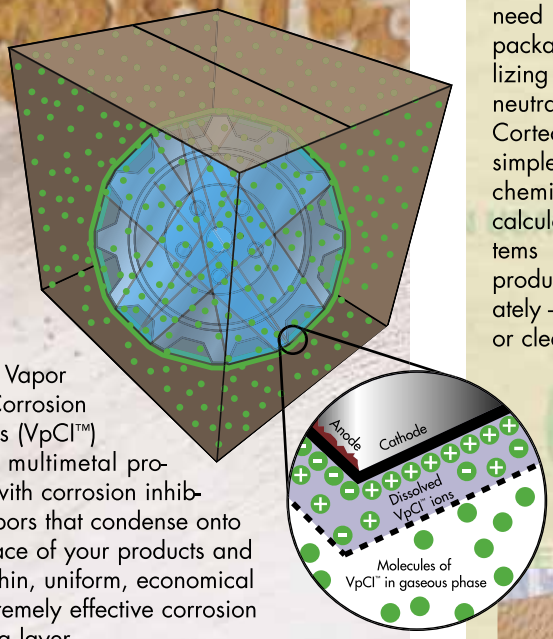
CORTEC VpCI™ PACKAGING SOLUTIONS

VpCIs Fight Corrosion at the Molecular Level



Cortec® Vapor phase Corrosion Inhibitors (VpCI™) provide multimetal protection with corrosion inhibiting vapors that condense onto the surface of your products and form a thin, uniform, economical and extremely effective corrosion inhibiting layer.

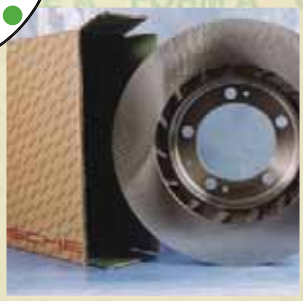
This barrier is self-replenishing — Cortec® VpCIs provide continuous protection, even if the package is repeatedly opened and closed.

Application is easy — little or no surface preparation is required. Machinery, products and components are ready for immediate use — no cleaning or degreasing is required.

VpCI™ PAPERS

Total multimetal protection in a simple, economical application.

Cortec® multimetal VpCI™ papers eliminate the need to inventory a variety of papers for each of the metals you need to protect, and prevent package contamination by utilizing only the highest quality neutral/natural kraft paper. Cortec® VpCI™ papers are simple to use: There are no chemical concentrations to calculate or application systems to maintain, and your products can be used immediately – no surface preparation or cleaning is required.



Cor-Pak® Linerboard

VpCI-145™

Anti-Static Paper– Designed specifically for the electronics industry. This product will eliminate static buildup and in addition provide contact and barrier corrosion inhibition.

VpCI-144™

Barrier Coated Paper– Designed for barrier protection from moisture and other contaminants. Replaces wax and polycoated papers. VpCI-144™ is fully recyclable and is the first product in its class to be repulpable.

VpCI-146™

Corrosion Inhibiting Paper– High quality VpCI™ coated neutral natural kraft that eliminates packaging contamination found with competing VCI papers. Also available in VpCI-146™ Crepe.

Silverbrite™ Paper

Specialty Paper– Combines high quality VpCI™ coating on one side, with a scavenger for H_2S on the opposite side. For the protection of silver, copper and brass. Changes color after the Silverbrite is used up.

Cor-Pak®Linerboard

Linerboard– VpCI™ treated linerboard that is recyclable and repulpable and eliminates the need for a secondary packaging source.

Cor-Pak® VpCI™ Polycoated Paper

VpCI-146™ Perforated Roll

Silverbrite™

EcoShield®Linerboard

Coated Linerboard– VpCI™ linerboard that also provides a moisture and oil barrier. Recyclable and repulpable.

VpCI™ FILMS

Cost effective multimetal VpCI™ desiccant protection for products of all sizes.

Cortec® VpCI™ films provide total multimetal corrosion protection in a variety of forms to suit packaging needs ranging from general usage polyethylene film to shrink wrap, stretchable, reinforced and static-dissipative designs. Flame retardant and high performance versions are also available. Application is simple – just wrap or seal your products, and protection is immediate and continuous for storage, transit or overseas shipping. Cortec® VpCI™ films offer dry protection, eliminating the need for cleaning and degreasing.

VpCI-126® Blue® Film

EcoWeave®

Woven VpCI™ Polyethylene– designed for use in applications where additional strength and tear resistance are required. FDA approved.

VpCI-126 Blue®

Patented– The best selling anti-corrosion film in the world. FDA approved VpCI™ film with desiccant properties. Available in flame retardant (FR) and high performance (HP) versions available.

MilCorr®

Patented High Performance, Heat Shrinkable– Combines multimetal VpCI™ technology with UV stability for long-term preservation, and fire resistant additive package.

VpCI-125™

Patented Static-Dissipative Film– Superb protection against corrosion and internal triboelectric charge generation. Excellent for packaging electronic components.

VpCI-126® Zipper Closure Bag

VpCI™ FOAMS

Extreme VpCI™ protection in an easily applied, adaptable package.

Cortec® foams combine multimetal VpCI™ protection and desiccant action in one simple, extremely effective step. Our foams work alone, or can augment VpCI™ film or other Cortec® packaging products to ensure total coverage, even in recessed and void areas.

Protection level is high – Cortec® foams contain approximately 10 times more VpCI™ per unit surface area than other packaging products. Convenience is assured – parts can be used immediately; no degreasing or coating removal is required.

VpCI-132™

Foam Pads– VpCI™ impregnated 10"x10"x1¼" (25 cm. x 25 cm. x 0.625 cm.) foam pads offer ready-to-use corrosion/desiccant protection. Provide easily adaptable dosages and contain up to 10 times the VpCI™ of coated papers and films.

VpCI-137®

Foam Rolls– VpCI™ impregnated foam available on a roll for greater economy. Excellent for applications requiring varying amounts of protection.

VpCI-132™

VpCI™ FABRIC

Cor-Pak® Fabric

Fabric– Polyester non-woven fabric impregnated with VpCI™. Provides mechanical protection and corrosion inhibition while emitting VpCI's as quickly as VpCI™ 130-Series foam.

VpCI™ INSERTS

VpCI™ protection with simple, dosage-specific application.

Cortec® inserts provide complete protection for all metal surfaces: VpCI™ vapors adsorb everywhere, including recessed areas. Our VpCI™ technology is perfectly suited to inserts because the VpCIs replenish themselves regardless of how many times the package is opened. Cortec® VpCI™ inserts provide safe, effective and easy-to-implement multimetal protection for a wide variety of packaged products. All pouches, tablets and circles can be inserted automatically or manually.

VpCI-133™

Foam Squares– VpCI® impregnated foam squares with adhesive backing for easy, vertical installation. These inserts are ideal for small, enclosed packages. Each foam square protects up to 0.5 cubic feet (0.014 cubic meters).

VpCI-134™

Foam Circles– VpCI™ impregnated foam circles allowextra precise placement and easily adaptable corrosion protection for up to 0.33 cubic feet (0.009 cubic meters) per circle.

VpCI-136™

Foam Squares– VpCI™ impregnated foam squares without adhesive backing for easy, vertical installation. These inserts are ideal for small, enclosed packages. Each foam square protects up to 0.25 cubic feet (0.007 cubic meters).

Cor-Pak® 1-MUL

Breathable Tyvek Pouch– contains VpCI™ powder for ultra-simple, toss-in application. Protects up to one cubic foot (0.028 cubic meters). Ideal for small packages.

Cor-Pak® 1-MUL Pouch

Compostable PRODUCTS

Cortec's vast line of state-of-the-art compostable products ensures that the packaging products that are used everyday have the lowest possible environmental impact possible. Available in both standard and corrosion-inhibiting versions, Cortec® has the widest range of biodegradable and compostable flexible packaging solutions in the world!

Applications

Cortec® compostable films are ideal for applications including: agricultural films, consumable/ single-use items, carrier bags, masking/protective films, high capacity bags, retail pouches, collection bags and stretch film replacement. Excellent for agricultural and military applications.

Eco Film™

Patented High Performance Polyester Formulation– Designed as replacement for polyethylene. Available in rolls, finished bags, convertible films.

EcoWorks™

Patent-pending, Biomass Derived Resin– High performance blend of polyester and biobased corn resin—meets federal standard for biobased plastic materials (USDA).™ Slightly more rigid than Eco Film™.

Eco Film™ Cryogenic

Patented– Fully compostable polyester film designed for extreme high or low temperatures.

EcoWrap™

Patent-pending– Formulation of certified polyester (ASTM D 6400) and a biodegradable cling coating. Superior strength allows down gauging and fewer required wraps for many palletizing/protective wrap applications.

Eco Wrap™

VpCI™ ECO PRODUCTS

New Biodegradable and Compostable Films Lead Industry

Cortec's technological breakthrough of fully biodegradable films was designed to aid business and government in complying with increasingly stringent environmental guidelines. Cortec's Eco Film™ and Eco-Corr® films outperform standard polyethylene and starch-blended films while in use, but degrade 100% into carbon dioxide and water once composted or buried.

Life cycle of biodegradable film (in weeks).

Eco-Corr®

Biodegradable VpCI™ Film– Aliphatic-aromatic co-polyester, VpCI™ film. Degrades 100% into carbon dioxide and water once composted. Provides multi-metal corrosion inhibition and eliminates waste.

Eco-Corr® ESD

Biodegradable VpCI™ ESD Film– Fully compostable polyester film with multimetal corrosion and ESD protection. Biodegrades into CO_2 and H_2O once composted.

VpCI-126® BIO

100% Degradable– The degradable version of the world's best selling anti-corrosion film, VpCI-126® Blue®. Maintains all of the physical properties of the original and once disposed it breaks down into CO_2 and H_20 within months.

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