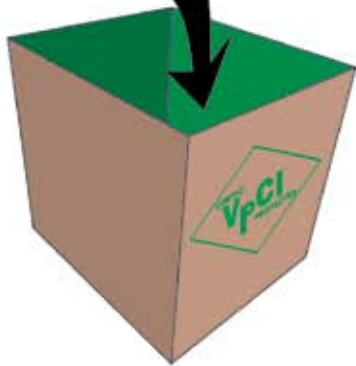


Packaging Products that Fight Corrosion

CORTEC

VpCI™

PACKAGING SOLUTIONS



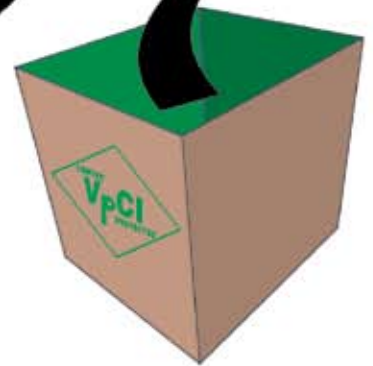
1.

Choose the appropriate VpCI® packaging product.



2.

Export, Ship or Store.



3.

Your corrosion-free equipment is ready to use.



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies



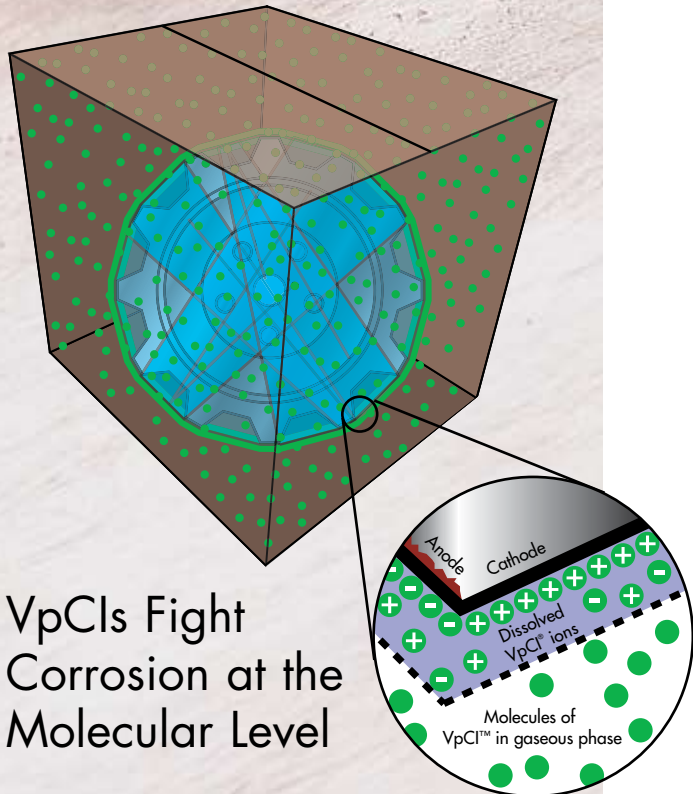
VpCI™ SOLUTION

Corrosion is a constant, indiscriminate and costly enemy of metal parts, especially when packaged for storage and transportation. Traditional anti-corrosion methods are messy, costly, and can be hazardous to personnel and the environment. Too often, they're ineffective as well.

Cortec® VpCI™ technology represents a breakthrough solution in corrosion prevention. Our VpCI™ products protect metals with a chemically adsorbed molecular layer that provides multimetal corrosion protection. The coverage is complete – all surfaces, including crevices, cavities and other inaccessible void areas receive total protection. The VpCI™ barrier is self-replenishing, even for packaging that's repeatedly opened, and typically protects for up to 24 months.

The industry proven result is exceptional product protection without the labor-intensive clean-up required with conventional oil coatings or other inhibiting products – even for previously corroded, painted or coated surfaces. Cortec® VpCIs are environmentally safe, and are not based on nitrites.

Cortec® VpCI™ technology. The safety net your products and systems deserve.



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™ Benefits

Cost Effective

- Saves costly time and labor
 - no surface preparation required for application
 - no cleaning/degreasing required for product use
- Reduces raw material requirements
 - need for oil is eliminated
 - desiccants are eliminated
- Eliminates disposal costs
 - products are fully recyclable
 - no hazardous waste disposal costs

Industry Proven Track Record

- 25 years of application and testing ensure reliable results.

Multimetal Protection

- Same product provides protection for ferrous and non-ferrous metals.

Simple Application

- Recessed and non-contact areas are protected.

Safe for Personnel and Environment

- Non-toxic and recyclable, VpCIs alleviate health and environmental concerns.

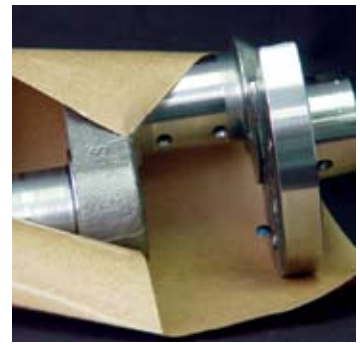
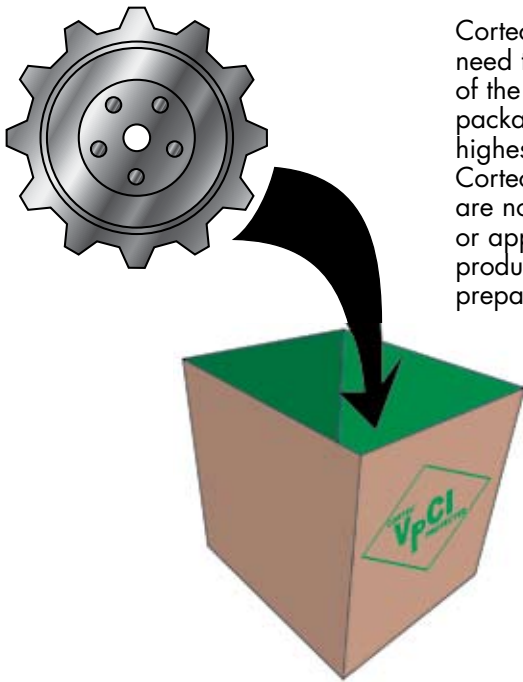
VpCI™ PAPERS

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.

All Cortec® VpCI™ papers are environmentally safe: Fully recyclable and repulpable, biodegradable and non-toxic. They provide an excellent alternative to oil coatings or other VCI/VPI papers that often contain hazardous chemicals.

These papers provide exceptional protection for dry or oiled metals during storage, transit and overseas shipment. Cortec® also offers a selection of coatings for flexible packaging substrates.



Cor-Pak® VpCI™ Polycoated Paper



VpCI-146™ Perforated Roll



Silverbrite™

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.

EcoShield®Linerboard

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

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.

Cor-Pak®Linerboard

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

Silverbrite™ Paper

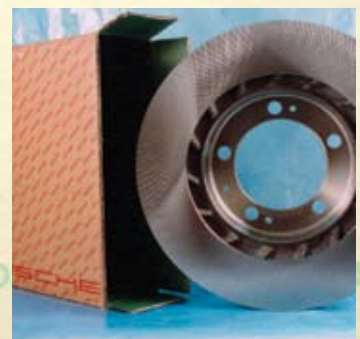
Specialty Paper– Combines high quality VpCI™ coating on one side, with a scavenger for H₂S on the opposite side. For the protection of silver, copper and brass. Changes color after the Silverbrite is used up.

Cor-Pak® Reinforced Paper

Reinforced Paper– High quality composite construction designed for applications where greater mechanical strength is required.

Cor-Pak® Polycoated Paper

Polycoated Paper– High quality neutral natural kraft paper designed for applications where greater mechanical strength and moisture, oil and grease resistance is required.



CorPak® Linerboard

Applications

Cortec® VpCI™ Papers provide powerful corrosion protection in a variety of applications, including single item packaging, multiple item wrapping for bulk shipments, OEM and automotive parts packaging for storage and shipping, and sheet liners for product separation.

VpCI™ FILMS

Cost effective multimetal VpCI™ 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.

Cortec's comprehensive product line includes zipper closure bags, Auto-bags®, bags on a roll, gusseted liners, corrugated plastic containers and sheeting. These films are made from high-tech resins utilizing high performance constructions, and are recyclable, multimetal and non-toxic. Cortec® films are transparent for convenient product identification and inspection. Unlike competitive products, Cortec® VpCI™ films are a total vapor phase inhibitor, protecting recessed and void areas and cavities. Rust claims are eliminated.



VpCI-126® Blue® Film



VpCI-126® Blue® Film



VpCI-126® Zipper Closure Bag



**Wrapper
Queen™
Brand**

Corr-Lam® Barrier Treatment

Barrier Treatment– Designed for long-term protective packaging with static shielding and corrosion protection for up to fifteen years.

Cor-Pak® Skin Film

Skin Film– Designed for industrial and retail packaging. Offers high clarity and optics. Transparent with VpCI™ for multimetal protection.

VpCI-125™

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

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.

VpCI-129™

Film– High-density polyethylene (HDPE) VpCI™ extruded film with excellent barrier properties. Is excellent for use in climates with higher temperatures and humidity.

Cor-Pak® Stretch Film

Patented– FDA approved VpCI™ stretch film that is excellent for unitizing loads to pallets such as steel coils or machined castings.

EcoWeave®

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

CorShrink™

Fabric– LDPE shrink film adhered to a soft polyester non-woven fabric impregnated with VpCIs. Exhibits ESD properties. Provides mechanical, barrier and VpCI™ protection while creating a tight fit around the protected part.

CorShield®

Woven Polyethylene Film– Woven polyethylene film with a heavy-duty non-woven inner layer. For packaging of sensitive equipment that requires strong protection on the inner layer without abrasion.

VpCI-125 Shrink Film

Corrosion ingibiting, static dissipative shrink film. A tough LDPE shrink film that offers superb corrosion protection and static dissipative properties.

Cor-Pak® Liner Film

Liner Film– High density film containing multimetal VpCI™ protection. Recommended for crate and box lining and foam-in-place applications.

MilCorr

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

Cor-Pak® EX

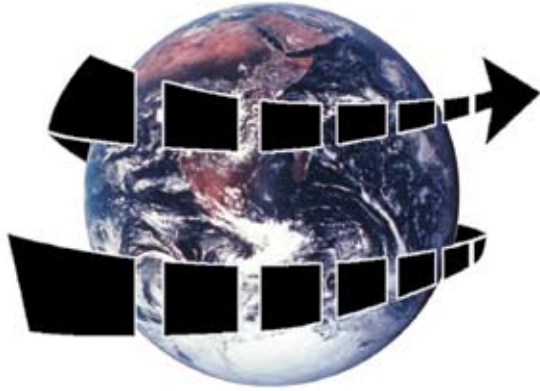
High-Density Polyethylene– VpCI™ coextruded lightweight, 1.25 mil (31.25 µ) film. Ideally suited for wrapping individual parts and excellent for interleaving. Low-cost and high-performance alternative to papers.

EcoShield™

Reinforced Film– High performance protective film. A combination of woven strength with a non-woven interior which wicks away condensation and is non-abrasive.

Applications

Cortec® VpCI™ films are exceptional for protection of: large equipment for export shipping, stretch wrapping of steel coils, packaging of highly sensitive electrical components, as well as shrink wrapping of new vehicles and equipment, lining containers for shipments of multiple items, and packaging of small parts in zipper closure bags.



Corrosion-free from A to B!

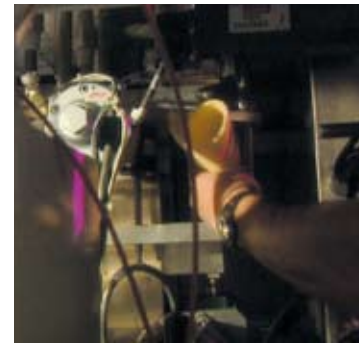
VpCI™ FOAMS

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.

Cortec® VpCI™ foams are lightweight, multifunctional and typically result in significant weight and labor savings. VpCI™ impregnated foam pads make dosage adjustments simple to determine and apply. Various static-dissipative grades are available for protection against triboelectric charge generation.



VpCI-132™



VpCI-137®



VpCI-132™

VpCI-131™

Impregnated Foam Pads- VpCI™ impregnated foam protects multimetals in small spaces and areas in need of focused corrosion protection.

VpCI-137®

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

VpCI-132™

Foam Pads- VpCI™ impregnated 10"x10"x1/4" (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.

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.

Applications

Cortec® VpCI™ foams are designed to protect products with large surface areas, to emit VpCIs in shipping containers, and to protect products and equipment with large void areas. VpCI™ foams also afford long-term protection for large export packages, crates and seagoing containers.

Cor-Pak® VpCI™ Bubbles

Patented- Provides both corrosion and cushioning protection to sensitive and/or delicate multi-metal components. Designed for use in cushioning, dunnage, void fill and interleaving.

Cor-Pak® VpCI™ Static-Dissipative Bubbles

Ultimate Protection- This multifunctional cushioning product protects sensitive electronic equipment from potential movement and triboelectric charge generation.

Applications

Cortec® VpCI™ cushioning products are used to package and protect precision machined parts and highly sensitive electronic components. They are also excellent for dunnage, void fill, protection from breakage, and surface damage such as scratches, etc.



Cor-Pak® VpCI™ Bubbles

VpCI™ CUSHIONING

VpCI™ – the best anti-corrosion strategy for sensitive equipment.

Cortec® cushioning products offer a powerful combination of damage and corrosion protection, and can be customized to fit nearly any packaging requirement. VpCI™ vapors in cushioning products will not interfere with subsequent processing such as painting, welding, cleaning, etc., and have no adverse effects on plastics, optics, elastomers and other non-metallics.

Our cushioning line is multimetalprotecting, non-toxic, recyclable and provides exceptional shock protection for highly sensitive components such as electronic products.



Cor-Pak® Tablets

VpCI™ INSERTS

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® Tablets

Easy-To-Use Tablet- Offers superb protection for multimetal products, components or assemblies. Each tablet protects up to 0.25 cubic feet (0.007 cubic meters).

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.



Cor-Pak® 1-MUL Pouch

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 allow extra 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).

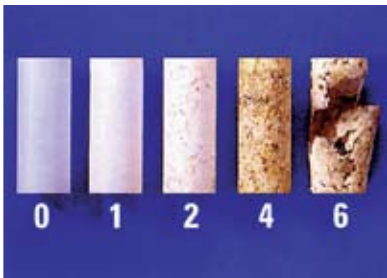
Applications

Cortec® VpCI™ inserts can be used as a primary or complementary corrosion control system in virtually any packaging system, ranging from corrugated boxes to zipper closure bags.

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. Eco-Corr® films provide unsurpassed corrosion protection while in use, but degrade 100% into carbon dioxide and water once composted or buried.



Life cycle of biodegradable film (in weeks).

Eco-Corr®

Eco-Corr combines all the environmental and performance advantages of Eco-Film with Cortec's patented VpCI™ technology. Eco-Corr protects all ferrous and nonferrous metals from corrosion and the film's unique physical characteristics allow Eco-Corr® to be used in specialized packaging applications such as interleaving and in liner film applications. Cortec's patented Eco-Corr® is the only fully biodegradable and compostable corrosion-inhibiting film in the world.

Eco-Corr® ESD

Eco-Corr® ESD is a 100% biodegradable film that is specially designed for the electronics industry. It conforms to the strict requirements of MIL-PR-81705D with respect to static dissipative requirements. In addition, Eco-Corr® ESD provides multimetal corrosion inhibition to applications involving contact, barrier and Vapor phase Corrosion Inhibition.

Eco-Corr®

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

Eco-Corr® ESD

Biodegradable VpCI™ ESD Film—Fully compostable polyester film with multimetal corrosion and ESD protection. Biodegrades into CO₂ and H₂O once composted.



Eco-Corr® ESD



Cor-Pak® Biodegradable Static Dissipative Bubbles

Applications

Eco-Corr® and Eco-Corr® ESD are ideal for export and storage of metal parts and equipment, including sensitive electronic components. Once sent to a commercial compost facility, both films will biodegrade completely within weeks.

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. Cortec has the widest range of biodegradable and compostable flexible packaging solutions in the world!

From collection and retail bags, to high tech barrier and tensioning films, Cortec's EcoFilm™, EcoWorks™ and EcoWrap™ offer many benefits over traditional films:

- Certified under ASTM D 6400 Guidelines
- Reduce or eliminate disposal costs
- Use less material due to strength improvements
- Infinite shelf life
- Adjustable physical properties
- Excellent strength, even with heat, moisture and chemical exposure
- Begins to biodegrade only when exposed to microorganisms
- Wider temperature stability range than LDPE/HDPE
- Replaces nearly every packaging film on the market today
- Once composted, film biodegrades within weeks



EcoWrap™



EcoFilm™



EcoWorks™



EcoWorks 70™

Custom Formulations

We can customize formulations to meet even the most stringent performance and physical property specifications. Contact Cortec for more detailed application guidelines.

EcoWorks 70™

Our newest formulation 70% Biobased, certified compostable film for applications requiring clarity and rigidity.



EcoFilm™

EcoTie™

Provides a 100% compostable alternative to non compostable products like twine, rope and string. EcoTie will convert entirely to carbon dioxide and water where others will stay in the ground for years.

EcoShrink™

A 100% compostable shrink film, that provides a tough skin and tight fit. Based on the technology of EcoFilm.

EcoFilm™

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

EcoFilm™ Cryogenic

Patented— Fully compostable polyester film designed for extreme high or low temperatures, such as frozen goods.

EcoWorks™

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

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.

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.

BUYER'S GUIDE

	PRODUCT	DESCRIPTION	PROTECTION	PACKAGING
VpCI™ Paper/Coatings Products	VpCI-144™	Multimetal VpCI™ and barrier coated paper. Replaces wax and polyethylene coated papers. Non-toxic, nitrite free, fully recyclable/repulpable. Commercial equivalent for to MIL PRF-3420E. FDA approved.	Varies	Standard and custom sizes.
	VpCI-145™	Multimetal VpCI™ coated high quality natural base paper that also provides anti-static properties. Excellent for packaging sensitive electronics.	Varies	Standard and custom sizes.
	VpCI-146™	Multimetal VpCI™ coated high quality natural base paper. Non-toxic, nitrite free, 100% recyclable/repulpable. Excellent for single item packaging. FDA approved. MIL P-3420.	Varies	Standard and custom sizes.
	VpCI-146™ Crepe	Multimetal VpCI™ coated high quality natural base crepe paper. Non-toxic, nitrite free, 100% recyclable/repulpable. Excellent for applications that require cushioning.	Varies	Standard and custom sizes.
	SilverBrite® VpCI Paper	Multimetal VpCI™ coated high quality natural base paper that also scavenges H ₂ S. Excellent for the protection of precious metals such as silver and gold.	Varies	Standard and custom sizes.
	Cor-Pak® Liner Board	Multimetal VpCI™ coated linerboard. Non-toxic, nitrite free. Excellent for use in boxes, or corrugated sheeting.	Varies	Standard and custom sizes.
	EcoShield® VpCI Linerboard	Multimetal VpCI™ and barrier coated linerboard. Excellent for moisture and oil resistance.	Varies	Standard and custom sizes.
	VpCI™ Reinforced Paper	Multimetal VpCI™ coated reinforced paper. Excellent strength for steel and metal wrapping.	Varies	Standard and custom sizes.
	VpCI™ Polycoated Paper	Multimetal VpCI™ coated reinforced polycoated paper. Intended for applications that require strength and moisture resistance.	Varies	Standard and custom sizes.
	VpCI-350™	Water-based multimetal VpCI™ coating solution suitable for coating cardboard, chipboard, corrugated, paper, etc.	Varies	5 gal. (19 l.), 55 gal (208 l.), bulk
	VpCI-350™ AHS	Coating for the paper, folding box and corrugated box industry. Produces a thin, non-penetrating coating for paper, chipboard and cardboard.	Varies	5 gal. (19 l.), 55 gal (208 l.), bulk
	VpCI-351™	Solvent-based VpCI™ multimetal coating solution for coating cardboard, chipboard, corrugated, paper, etc.	Varies	5 gal. (19 l.), 55 gal (208 l.), bulk
	VpCI-355 EcoCoat™	Water-based moisture barrier coating solution that is fully recyclable/repulpable. Biodegradable, non-toxic, nitrite free. Replaces wax and polyethylene coatings for flexible packaging substrates. FDA approved.	Varies	5 gal. (19 l.), 55 gal (208 l.), bulk
VpCI-357™	Water-based or solvent-based solutions formulated for impregnating flexible packaging substrates, i.e., cardboard, chipboard, corrugated, paper, foam, etc.	Varies	5 gal. (19 l.), 55 gal (208 l.), bulk	



Cortec's Leading-edge Coater

Top of the Line Equipment Equals Top of the Line Cortec Coated Products

Cortec's leading-edge coater, using various application methods such as transfer roll, Mayer rods, air knife, and slot die produces high quality papers and films. It incorporates state-of-the-art flotation ovens, backside moisturizing and in-line steam foil stations for advanced curl control.

Cortec® also has a wide web Super Calender capable of various finishes and a full array of mixing capabilities.

Full coating, finishing and converting capabilities give Cortec total in-house control over the manufacturing of products.



Cortec's Super Calender

BUYER'S GUIDE

	PRODUCT	DESCRIPTION	PROTECTION	PACKAGING
VpCI™ Extruded Products	VpCI-125® Static Dissipative Film	Transparent, multimetal protection, heat sealable. Protect against triboelectric charge generation and corrosion. Recyclable. Conforms to MIL PRF-81705D and MIL PRF-22019/22020.	Varies	Standard and custom sizes.
	VpCI-125® Clean Room Film	VpCI™ film that has been cleaned to NASA JSCM 5322 Level 100. Used for highly sensitive electronic and aerospace parts protection.	Varies	Custom sizes.
	VpCI-126® Blue®	Transparent plastic films with VpCI™ for multimetal protection. Heat sealable. Also available in Zip-Lock® bags, and shrink film varieties. Conforms to MIL PRF-22019D and MIL B-22020D. FDA approved and recyclable.	Varies	Standard and custom sizes.
	VpCI-126® CorrCaps	Elastic sewn on to VpCI-126® or EcoWeave to create a "cap" that protects vulnerable exposed or extended points or parts. Excellent protection and easy application. Can be sewn from 1" diameter (2.5 cm.) to over 24" diameter (60 cm.).	Varies	Custom sizes.
	VpCI-129™	Multimetal, high-density polyethylene (HDPE) VpCI™ film. Excellent barrier properties and ideal for use in climates with higher temperatures and humidity.	Varies	Custom sizes.
	Cor-Pak® EX	1.25 mil high-density polyethylene VpCI™ coextruded transparent film. Multimetal, non-toxic, nitrite free. Extremely lightweight and flexible. Excellent for interleaving. Transparent for easy part identification.	Varies	Standard and custom sizes.
	Cor-Pak® VpCI™ Liner Film	Exceptionally light (18 microns) and strong HDPE film for foam-in-place as well as for other wrapping and interleaving applications. Multimetal. Recyclable. Excellent barrier, tear and premature resistance.	Varies	Custom sizes.
	Cor-Pak® VpCI™ Skin Film	VpCI™ skin film. Multimetal, non-toxic, transparent film. Patent number 5,715,945. Meets MIL PRF-22019.	Varies	Custom sizes.
	Cor-Pak® Cold Seal	Non-toxic, flexible, lightweight, cohesive system available for paper, polyethylene and corrugated packaging.	Varies	Custom sizes.
	CorrNetting™	CorrNetting™ is extruded (non-woven) from the highest quality PE resin and Cortec Multimetal VpCIs. Offers very effective packaging, which combines physical protection, cushioning and multimetal corrosion protection for sensitive mechanical parts and other sensitive materials.	Varies	Standard and custom sizes.
	Cor-Pak® VpCI™ Bubbles	Multifunctional corrosion and cushioning protection. FDA approved. Excellent for packaging precision parts. Patented. Also available in Static Dissipative Bubbles.	Varies	Standard and custom sizes.
	Cor-Pak® Stretch Film	Multimetal, non-toxic, recyclable, transparent VpCI™ stretch film. Stretches up to 800%. Excellent puncture and tear resistance. Machine and hand grades available. FDA approved. Patented. Available as Cor-Pak® Antistatic Stretch Film.	Varies	Standard and custom sizes.
	Cor-Pak® VpCI™ Corrugated PE Sheeting	FDA approved, 100% recyclable packaging material. Easily fabricated into boxes, containers and custom totes.	Varies	Custom sizes.
	Cor-Pak® VpCI™ Pipe Strip	Low density, polyethylene rod containing VpCI™ designed for protection of ferrous and non-ferrous tubular products.	Varies	500 ft. (152 m.) of .25" (6.35mm.) diameter strip on spool.
	CorShrink™	LDPE shrink film adhered to a soft polyester non-woven fabric impregnated with VpCIs. Exhibits ESD properties. Provides mechanical, barrier and VpCI™ protection while creating a tight fit around the protected part.	Varies	Custom sizes.
	MilCorr™ Shrink Film	Composite film, containing the ultimate additives package; Cortec® multimetal VpCIs, UV inhibitors to provide a top-notch universal protection system and fire retardant (FR) additives. Meets MIL B-22019C.	Outdoor and indoor	Standard and custom sizes.
	EcoWeave® Film	Woven polyethylene film. Strong puncture and tear resistance for packaging large/heavy machinery. Provides multimetal protection, non-toxic, recyclable, transparent.	Varies	Custom sizes.
	EcoShield™ Fabric	Woven polyethylene fabric with a non-woven inner layer. Protects equipment while offering VpCI™ multimetal corrosion protection. Available with zippers and in custom sizes.	Varies	Custom sizes.
	CorShield® VpCI™ Packaging Fabric	CorShield®, patented, is multiple-layered protective fabric with a non-woven, soft inside layer. CorShield® is made from low-density polyethylene tapes, a high-density coating and is extrusion laminated.	Outdoor and indoor	Standard and custom sizes.
	VpCI-125 Shrink Film	Corrosion inhibiting, static dissipative shrink film. A tough LDPE shrink film that offers superb corrosion protection and static dissipative properties. Will conform to surface resistivity (1% and 10% cutoff) and static decay rate requirements of MIL-PRF-81705D and MIL-STD-3010A, Test Method 4046.	Outdoor and indoor	Standard and custom sizes.
CorLam VpCI Barrier Laminate	Corrosion inhibiting, static shielding film and bags. Multi-bags structure, providing long-term preservation for up to fifteen years.	Outdoor and indoor	Custom sizes.	

BUYER'S GUIDE

	PRODUCT	DESCRIPTION	PROTECTION	PACKAGING
VpCI™ Emitting Systems	VpCI-131™	VpCI™ impregnated foam protects multimetals in small spaces and areas in need of focused corrosion protection. 2" x 10" x 1/4" (5.08 cm. x 25 cm. x 0.64 cm.).	1.5 ft. ³ /each (0.042 cubic meters)	250/carton
	VpCI-132™	VpCI™ impregnated foam pad 10" (L) x 10" (W) x 1/4" (H). (25.4 cm. x 25.4 cm. x 0.635 cm.). Multimetal, non-toxic and nitrite free. Meets MIL PRF-817057 for static dissipative foams.	8.0 ft. ³ /each (0.25 cubic meters)	250/carton
	VpCI-133™	VpCI™ impregnated foam square with adhesive backing for vertical-mounting applications. 1" (L) x 1" (W) x 1/4" (H) (2.5 cm. x 2.5 cm. x 0.635 cm.). Multimetal, non-toxic, nitrite free. Multifunctional VpCI™/desiccant.	1/2 ft. ³ /each (0.014 cubic meters)	1000/carton
	VpCI-134™	VpCI™ impregnated foam circles, 3/4" diameter x 1/4" (H) (1.9 cm. x 0.635 cm.). Multimetal, non-toxic, nitrite free. Multifunctional VpCI™/desiccant.	1/3 ft. ³ /each (0.009 cubic meters)	1000/carton
	VpCI-136™	VpCI™ impregnated foam squares without adhesive backing. 1" (L) x 1" (W) x 1/4" (H) (2.5 cm. x 2.5 cm. x 0.635 cm.). Multimetal, non-toxic, nitrite free. Multifunctional VpCI™/desiccant.	1/4 ft. ³ /each (0.012 cubic meters)	1000/carton
	VpCI-137®	VpCI™ impregnated foam rolls 130' (L) x 54" (W) x 1/4" (H) (39.6 m. x 137.2 cm. x 0.685 cm.). Multimetal, non-toxic and nitrite free. Meets MIL PRF-81705D for static dissipative foams.	10 ft. ³ /ft. ² (0.28 cubic meters)	1 roll/carton
	Cor-Pak® 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.	10 ft. ³ /ft. ² (0.28 cubic meters)	1 roll/carton
	VpCI-150 Tape™	Multifunctional VpCI™ impregnated foam. Provides corrosion protection, cushioning and static-dissipative properties. Multimetal, non-toxic, nitrite free. 12' L x 3/4" W x 1/4" H (3.7 m. x 19 mm. x 6 mm.).	.4 ft. ³ /in. (.005 cubic meters)	6 rolls/carton
	VpCI-170 Tape™	Multifunctional VpCI™ impregnated foam. Provides corrosion protection, cushioning and static-dissipative properties. Multimetal, non-toxic, nitrite free. 20' L x 2" W x 1/4" H (6.1 m. x 51 mm. x 6 mm.).	1.0 ft. ³ /in. (.03 cubic meters)	1 roll/carton
	Cor-Pak® I-MUL	Breathable Tyvek pouches containing VpCI™. Each pouch is 2.25" L x 2.25" W x 0.25" H (5.7 cm. x 5.7 cm. x 0.635 cm.). Manually or automatically inserted. VpCI™ powder conforms to MIL I-22110C.	1.0 ft. ³ /pouch (0.028 cubic meters)	300/carton
	Cor-Pak® Tablets	Multimetal VpCI™ tablet. Easy to use, dosage is easily adaptable. Manually or automatically inserted. Conforms to MIL I-22110C.	1/4 ft. ³ /tablet (0.007 cubic meters)	1000/bottle

BUYER'S GUIDE

	PRODUCT	DESCRIPTION	PROTECTION	PACKAGING
Biodegradable/Compostable Films	EcoFilm™	High performance certified polyester packaging film. Replaces LDPE, HDPE and others. Certified biodegradable/compostable under ASTM D 6400. Available in standard and custom forms including sheeting, tubing, flat/gusseted bags and retail packages.	Non-VpCI™	Standard and custom sizes.
	EcoFilm™ Cryogenic	High performance certified polyester packaging film for extreme high and low temperature applications. Replaces LDPE, HDPE and others. Certified biodegradable/compostable under ASTM D 6400. Available in standard and custom forms.	Non-VpCI™	Standard and custom sizes.
	Eco-Corr® Film	VpCI™ impregnated biodegradable/compostable polyester film. Multi-metal corrosion protection. Meets compostability requirements of ASTM D 6400. Conforms to MIL-B-22019C for transparency and MIL B-22020D for corrosion protection. Patent #6,028,160	Up to 24 months	Custom sizes.
	Eco-Corr® ESD	VpCI™ impregnated biodegradable/compostable polyester film. Multi-metal corrosion and anti-static protection. Complies w/ASTM D 6400. Meets MIL PRF-8175D for static decay and MIL PRF 81705D for surface resistivity. Conforms to MIL B-22019 and MIL B-22020 for corrosion protection. Patent #6,028,160	Up to 24 months	Custom sizes.
	EcoWorks™ Film	Unique blend of biobased resin and high performance polyester. Meets proposed USDA requirements for biobased plastics. Certified compostable under ASTM D 6400. Replaces LDPE, HDPE and others. Available in all standard and custom forms available in polyethylene products, including retail packages.	Non-VpCI™ (See Eco-Corr)	Standard and custom sizes.
	EcoWrap™ Film	Combination of biodegradable/compostable polyester and cling coating. Certified compostable and biodegradable under ASTM D 6400. Replaces non-degradable stretch film. Stronger than polyethylene by 200-300%. Available in hand and machine grade.	Non-VpCI™	Hand and machine grade; custom sizes and thicknesses
	EcoTie	Provides a 100% compostable alternative to non compostable products like twine, rope and string. EcoTie will convert entirely to carbon dioxide and water where others will stay in the ground for years. Based on the Cortec technology of EcoWorks. Meets compostability requirements of ASTM D 6400.	Non-VpCI™	Custom Spools
	EcoShrink	A 100% compostable shrink film, that provides a tough skin tight fit. Meets compostability requirements of ASTM D 6400. Replaces standard shrink films of LDPE, HDPE and others. Good clarity and eliminates bulky bags.	Non-VpCI™	Custom Sizes



Cortec's State of the Art Film and Bag Production

Cortec® is the only major brand anticorrosion film company that has its own in-house integrated production of VpCI™ films and bags. Our Advanced Films Division has the world's largest capacity of over 20,000 tons with a variety of width, ranging from 2" (5 cm) to 40' (12 m). VpCI-126 Blue® is the world's best selling brand of anti-corrosion films and bags.

Our VpCI™ master batch is manufactured on the state of the art compounding line. By having our own master batch production, we are able to control all critical inputs for VpCI film production.

Our re-processing line is capable of re-pelletizing a variety of scrap films including biodegradable EcoFilm and EcoWorks. Having re-processing in house, we are better able to control product quality, and further reduce costs.

TOTAL CORROSION CONTROL™

Cortec® Corporation is dedicated to controlling corrosion at all stages of a product life cycle. Cortec® Corporation 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, emitters, powders, packaging foams, paper, films, surface treatments and admixtures for concrete as well as additives for water, oil & polymers. Contact Cortec® for additional brochures and information.

Visit us at www.CortecVCI.com

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.

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 OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



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

Distributed by: **CERTEC**
Shanghai CERTEC Material Technology Co., Ltd
Authorized Distributor of CORTEC Products

Shanghai CERTEC Material Technology Co., Ltd
Authorized Distributor of CORTEC VCI Products
Add: Rm 612, Building 2, Zheqiao Rd 277, Pudong, Shanghai, China.
Tel: 021-51923318 / 51923316 / 013816395867
E-mail: zy@shcertec.com [Http://www.shcertec.com](http://www.shcertec.com)

Revised: 10/04, supercedes: 7/04. Cortec®, Eco-Corr®, Eco Film™, EcoWorks™, EcoWrap™, EcoShield™, EcoWeave®, MCI®, Cor-Pak®, CorShield®, Migrating Corrosion Inhibitors™, Migratory Corrosion Inhibitors™, Total Corrosion Control™, VpCI™, and VpCI Film Color of Blue® are trademarks of Cortec® Corporation.

© Cortec® Corporation 2004. All rights reserved.

