Cortec® Coated Products is a manufacturer of coated specialty paper, board, and films for the printing and packaging industry. Cortec® Coated Products is based on a culture of high standards, manufacturing high quality coated papers and films, while providing superior service to our customers. Cortec® Coated Products builds on its experience in this specialized field to remain a forerunner in the coated paper and film industry.

Cortec® Coated Products is a wide web, custom coater of flexible substrates. The true value of Cortec® Coated Products is its custom coating and calendering capabilities. We develop materials and offer services that our customers cannot find elsewhere. We invite you to work directly with us on process and product development. With our highly trained staff of scientists and engineers, we are prepared to handle any coating and calendering opportunity. Our coater and super calender operators have an in-depth understanding of web handling technology. In addition, our converting and compounding facilities offer a unique blend of in-house capabilities unmatched by any competitor.

The goal of Cortec® Coated Products is to develop innovative ideas and creative solutions designed for high-value added, specialty coated, or calendered products. Cortec® Coated Products is the logical choice to help you bring product concepts to existence in the shortest possible time.

Our Quality Assurance department performs all testing needed to ensure that your product specifications are met. Cortec® Coated Products uses a rigorous quality management system to ensure consistent quality in all aspects including customer service, product appearance, and performance. Our lab facility offers state-of-the-art testing equipment.

Cortec® Coated Products is committed to provide high quality products and superior service. We are your most dependable source for coated and calendered papers and films.
Turning into a Bustling Rail Hub
Cortec® Coated Products (CCP), located in Eau Claire, Wisconsin, is rapidly becoming a bustling rail hub, where paper from across the continent is continuously delivered at its rail dock for processing.

The excellent quality of the coated paper manufactured by Cortec® Coated Products is the foundation of this booming business. Satisfied customers are increasing the volume of their orders to a point where rail cars full of paper are lining up at our plant in Eau Claire. Once unloaded the paper is coated, calendered, rewound, converted, packaged, and shipped either by rail or truck to any destination in the world.

It has taken more than half a century from the time the nation’s first railroad was chartered to build a transcontinental railroad. It didn’t take that long for Cortec® Coated Products to provide its customers with the flexibility and cost advantage of rail–car delivery.

First-rate receiving and shipping capabilities and consistent quality are integral parts of the excellent service Cortec® Coated Products offers to its customers.

Quality Control
Our state-of-the-art quality control laboratory is fully equipped with an extensive variety of critical testing equipment to evaluate the following:

- Basis Weight
- Brightness
- Caliper
- Curl
- Density
- Gloss
- Moisture
- Opacity
- Optical Density
- Porosity
- Roughness
- Smoothness:
  - Sheffield
  - Parker Print Surf
- Tear
Facility

Coating Application Methods
- 2 Roll Metering (Forward & Reverse Roll)
- Mayer Rod
- Slot Die
- Aqueous or Hot Melt Applications

Coating Capabilities
- Basis Weight: 32 to 550 gsm
- Widths up to 100” (254 cm)
- Roll weights to 9000 lbs (4082 kg)
- Roll diameter up to 70” (178 cm)
- Core size 3”, 4”, 5” or 6” (7.6, 10.2, 12.7, or 15.2 cm)
- Viscosity from 1 to 20,000 cps
- Dryer temperature to 500° F (260° C)
- NDC in-line measuring system for thickness & coat weight
- Corona treats up to 55 dynes
- Four-zone gas-fired air flotation ovens
- Remoisturizing back treat station (Curl Control)
- Run speed 500-1500 ft/min (150-450 m/min)
- Thermal Web Systems Steam Foil
- Two roll S-wrap chilled roll system to set Steam Foil steam for curl control.

Calendering Capabilities
- Basis Weight: 32 to 550 gsm
- Widths: 40” to 90” (100 to 229 cm)
- Roll weights to 6000 lbs (3600 kg)
- Roll diameter up to 58” (147 cm)
- Standard core sizes 3” and 6” (7.6 and 15.2 cm)
- Run speed up to 2500 ft/min. (760 m/min)
- Nip load pressure 100 to 2000 psi (0.7 to 14 MPa)
- Threading arrangements 1 to 8 nips

Slitting/Rewinding Capabilities
- Basis Weight: 32 to 550 gsm
- Widths up to 98” (250 cm)
- Finished roll diameter up to 60” (152 cm)
- Roll weights up to 8000 lbs (3600 kg)
- Core sizes 3”, 4”, 5” or 6” (7.6, 10.2, 12.7 or 15.2 cm)
- Run speed up to 2000 ft/min (610 m/min)
- Multi-cut trimming

Converting Capabilities
- Sheet, Cutting
  - Basis Weight: 32 to 205 gsm
  - Widths from 1” to 56” (2.5 to 142 cm)
  - Lengths from 1” to 60” (2.5 to 152 cm)
- Subrolls:
  - Widths from 2” to 98” (5 to 250 cm)
  - Diameters up to 16” (40 cm)
  - Core size 3” (7.6 cm)

Printing
- Basis Weight: 32 to 550 gsm
- Widths from 48” to 90” (122 to 213 cm)
- One-Color
- Speed up to 800 ft/min (243 m/min)
- Non-registered, continuous print Mixing Capabilities
  (Remove mixing)
- Specialized mixing equipment for formulations requiring tightly controlled conditions (This line belongs in coating make up)
Our Products

**Premium Corrosion Inhibiting Papers**

Our VpCI® papers are coated with proprietary Vapor phase Corrosion Inhibitors for superior corrosion protection of both ferrous and non-ferrous metal. Made from high quality neutral natural Kraft paper, these paper products do not contain fluorochemicals, nitrites, phosphates, silicones, chromates, or other heavy metals. Cortec® VpCI® papers are effective against aggressive environments including humidity, SO₂, H₂S, and galvanic corrosion from dissimilar metals. Most VpCI® papers are fully recyclable and repulpable.

**Barrier Coated Paper**

Our fully recyclable/repulpable moisture barrier papers offer excellent alternatives to polyethylene and wax papers. Paper coated with our water-based barrier coatings have displayed moisture barrier properties competitive to those of wax or polyethylene coated papers, with the advantage of being more environmentally friendly and easier to dispose.

**Specialty Products**

Our specialty products include highly durable VpCI® coated material for extra tough situations where there may be the risk of puncture or tearing. Other specialties include fully recyclable heat sealable paper for customized packaging needs and linerboard with anti-skid properties.

**VpCI®-143 Paper Emitters** - VpCI®-143 Paper Emitters are fully recyclable/repulpable neutral natural Kraft linerboard squares coated with VpCI® coating on two sides for fast Vapor phase Corrosion Inhibitor protection. These environmentally friendly, biodegradable VpCI® coated linerboard emitters do not contain nitrites, phosphates, silicates, or other hazardous compounds. They can be inserted into a package to provide superior corrosion protection to both ferrous and non-ferrous metals. Use approximately one 1” x 1” (6.45 cm²) emitter for every 25 cubic inches (410 cm³) of void space needing protection.

**EcoShield® VpCI®-144** - EcoShield® VpCI®-144 is premium environmentally friendly moisture barrier corrosion inhibiting paper. EcoShield® VpCI® -144 paper provides superior corrosion protection for ferrous and non-ferrous metals and shows excellent oil and grease resistance. It is environmentally safe and fully recyclable/repulpable. Historically, polyethylene and wax coatings have been used to seal porous paper to provide a moisture barrier and/or moisture-vapor barrier. When coated this way the resulting paper product is an environmental problem and cannot be recycled through normal channels. EcoShield® VpCI®-144 is coated with a water-based barrier coating and has water vapor barrier properties that make it a competitive environmentally friendly alternative to polyethylene and wax paper.

**EcoShield® VpCI®-144 Super Barrier** - EcoShield® VpCI®-144 Super Barrier is a high gloss version of EcoShield® VpCI®-144. In addition to its corrosion inhibiting properties, this paper’s shiny moisture-barrier side offers increased water resistance by reducing the paper’s water vapor transfer rate. Its water barrier properties make it an excellent recyclable alternative to typical polycoated and waxed papers.

**EcoShield® Paper and Linerboard** - EcoShield® Paper and Linerboard are packaging products coated with a water-based barrier coating. One of their key features is that they are fully repulpable while displaying moisture barrier properties that make them competitive alternatives to wax or polyethylene coated paper or linerboard.

**EcoShield® Super Barrier Paper** - EcoShield® Super Barrier Paper is made with a water-based barrier coating that creates an environmentally acceptable fully recyclable and repulpable replacement for polycoated and wax papers. EcoShield® Super Barrier Paper can be used in a variety of applications, including wrapping oily and greasy parts, as well as other moisture sensitive components. It can also be used as a moisture barrier liner for wood pallets or corrugated boxes.

**EcoShield® VpCI® Linerboard** - EcoShield® VpCI® Linerboard is a unique product that combines Cortec’s field proven Vapor phase Corrosion Inhibitors with a moisture barrier coating. EcoShield® VpCI® Linerboard can be used to protect metal parts for storage and shipments by interleaving or forming into boxes.
Our Products

**EcoShield® Heat Sealable Paper** - EcoShield® Heat Sealable Paper is a fully repulpable and readily recyclable packaging product coated with a water based heat sealable adhesive coating. Seams formed from this product when properly sealed (heated with coated sides together) form a bond stronger than the paper. EcoShield® Heat Sealable Paper can be used to manufacture custom-size envelopes, bags, and pouches.

**EcoSonic® ESD Paper powered by Nano VpCI®** - EcoSonic® ESD Paper combines corrosion inhibiting and static-dissipative properties to provide a complete packaging paper for your valuable items. This product eliminates static electricity buildup through the use of an environmentally friendly coating made from soybean oil that is coated on the paper. EcoSonic® ESD Paper performs better on the static half-life test than papers with conventional anti-stat coatings. EcoSonic® ESD Paper is biodegradable and fully recyclable.

**CorShield® VpCI®-146** - CorShield® VpCI-146 is made from neutral natural Kraft paper coated with Vapor phase Corrosion Inhibitors for superior corrosion protection of both ferrous and non-ferrous metals. The paper is environmentally safe, biodegradable, and doesn’t contain any nitrites, phosphates, or silicates. It is excellent for single item packaging, interleaving, shipping tube end closures, or sheet liners. Using CorShield® VpCI®-146 is simple and easy; just wrap your products inside and fold the edges of the paper together.

**CorShield® VpCI®-146 Creped Paper** - CorShield® VpCI®-146 Creped Paper is premium corrosion inhibiting creped paper that offers a cushioning effect to physically protect delicate parts. It is environmentally safe, biodegradable, fully recyclable, and does not contain any nitrites, phosphates, or silicates.

**CorShield® VpCI®-146 Reinforced Paper powered by Nano VpCI®** - CorShield® VpCI®-146 Reinforced Paper is premium corrosion inhibiting reinforced paper made from neutral natural Kraft paper. It has excellent tear resistance and does not contain any nitrites, phosphates, silicates, or other hazardous compounds. CorShield® VpCI®-146 Reinforced Paper is effective against aggressive environments including humidity, SO$_2$, H$_2$S, and galvanic corrosion from dissimilar metals.

**VpCI®-148 Paper** - VpCI®-148 is an improved grease resistant corrosion inhibiting paper. In addition to its excellent corrosion inhibiting properties, VpCI®-148 also provides resistance to greases, oils, and solvents. Unlike wax or polycoated papers, which contribute to environmental problems, VpCI®-148 contains a biobased barrier coating and is fully recyclable.

**VpCI®-149** - VpCI®-149 is a unique corrosion inhibiting paper for the protection of a wide variety of metals. Formulated to provide extra protection to sensitive metals such as copper, aluminum, and cast iron, VpCI®-149 is an excellent product for virtually all metal packaging needs. Manufactured using a neutral natural Kraft paper, the coating provides a very soft and conformable feel to the paper. It wraps easily around metal parts, making for easy use during packaging. It is fully recyclable.

**Anti-Skid Linerboard/VpCI® Anti-Skid Linerboard** - Cortec® Anti-Skid Linerboard is available in two varieties, with and without VpCI® protection, for applications where non-movement of items is critical. Cortec® VpCI® Anti-Skid Linerboard is designed to prevent corrosion as well as slippage of cases, cartons, and bags up to a twenty degree slide angle depending on application and type of product being stacked. It protects both ferrous and non-ferrous metals. In addition, Anti-Skid Linerboard is non-adhesive and much more durable than traditional alumina or silica treated anti-skid linerboards. Cortec® Anti-Skid Linerboard has many packaging applications due to the high coefficient of friction for “linerboard on linerboard” and “linerboard on metal.” This allows the linerboard to be very beneficial when transporting items on pallets by preventing items from falling off and causing damage. It is easy and simple to use as a liner for pallets, shipping containers, container transport conveyers, or floors. Anti-Skid Linerboard is recyclable, repulpable, and nitrite-free.

**Cor-Pak® Linerboard** - Premium corrosion inhibiting linerboard that provides superior corrosion protection for both ferrous and non-ferrous metals.

**Cor-Pak® Fabric LD** - Cor-Pak® Fabric LD is a strong wet laid nonwoven fabric composed of a combination of synthetic and cellulosic fibers and enhanced with Cortec’s Vapor phase Corrosion Inhibitor Technology. This product can be used in a wide array of applications. In addition to providing excellent corrosion protection, this product provides...
Our Products

mechanical protection against scratching, abrasion, and staining that can occur in normal packaging applications. It also provides moisture wicking properties to keep condensation off parts and components during critical packaging applications. Cor-Pak® Fabric LD is an excellent option for the protection of castings and other highly sensitive metals. Common packaging applications include interleaving, wrapping, and lining.

**Cor-Pak® VpCI® Reinforced Paper** - Cor-Pak® VpCI® Reinforced Paper is premium corrosion inhibiting white-tinted polycoated reinforced paper made from high quality neutral natural Kraft paper. It has excellent tear resistance and also offers a barrier to water, oil, and grease.

**Cor-Pak® VpCI® Polycoated Paper** - Cor-Pak® VpCI® Polycoated Paper provides superior corrosion protection for both ferrous and non-ferrous metals. In addition, it is coated with a polyethylene coating to provide a moisture barrier and/or moisture-vapor barrier for extra protection of packaged metals.

**CorrTainer®** - CorrTainer® is a brand of corrugated boxes coated on the inside with Vapor phase Corrosion Inhibitors and a barrier coating that integrates safe multi-metal corrosion protection. CorrTainer® is fully recyclable and repulpable and does not contain nitrites, phosphates, silicates, or banned or restricted substances per RoHS and similar regulations. In many cases, CorrTainer® eliminates the need for a secondary VpCI® packaging liner, making it user friendly and cost effective.

**EcoWeave®** - EcoWeave® is a woven polypropylene sheeting enhanced with Vapor phase Corrosion Inhibitors. EcoWeave® offers extra strength, durability, corrosion protection, reusability, and recyclability. It is a unique solution for tough corrosion packaging problems. Many packaging applications require a tear resistant shroud to accommodate the sharp edges of equipment or steel coils during shipment. The woven structure of EcoWeave® will help prevent damage to the shroud, thus preserving the integrity of the VpCI® protection and preventing corrosion from occurring. From raw materials to finished products, EcoWeave® will provide the protection you need for expensive but heavy metal components.

Melters and Melt Pump System

With our recently acquired drum melters/unloaders and a melt pump system, 100% solids coatings can be applied with the slot die to a wide variety of substrates. Typical applications include: surface treatments, barrier coatings, and hot melt adhesives.
Webex Rewinder

Cameron Unwind

Converting Center

Printer

Slitter/Rewinder

Super Calender

Slot Die

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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