

CORTEC® COATED PRODUCTS



Cortec® Coated Products

Eau Claire, Wisconsin

Cortec® Coated Products is 56,000 square foot facility



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 8000 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

- Sheeting, 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 Vapor phase Corrosion Inhibiting (VpCI®) papers provide superior corrosion protection for both ferrous and non-ferrous metals. They are fully recyclable/repulpable. Our VpCI® papers are made from the highest quality neutral natural kraft paper.

Barrier Coated Paper

Our cost-effective recyclable coatings offer all the benefits of polyethylene and wax, but are naturally repulpable. Formulated in compliance with USDA regulations for direct and indirect food contact.

Clay Coated Papers

For use in high quality printing, our custom-formulated no-bleed coatings transform inexpensive papers into ultra smooth, superior quality products that surpasses even the finest grade papers in optical density, line definition, hold-out and lay-flat properties. Clay coating is a recyclable alternative to lamination.

Coated Papers for Digital Imaging

Intended for various narrow format ink jet printers, wide format ink jet printers, or laser printers and copiers, these coatings offer excellent lay-flat properties, along with exceptional brightness, optical density, line definition, and instant-dry printing.

Pressure Sensitive Coated Papers

The industry's highest level of silicone hold-out for various types of silicone systems. Density ranges exceed 100,000 seconds with excellent caliper control, consistency, and lay-flat properties.

VpCI®-144, Patented Corrosion Inhibiting Paper

Cortec VpCI®-144 is the premium corrosion inhibiting paper in the industry. Our patented Vapor phase Corrosion Inhibiting technology has revolutionized the way metals are protected in an enclosed package. Cortec VpCI®-144 paper provides superior corrosion protection for both ferrous and non-ferrous metals, which eliminates the need to inventory a variety of papers for all the different types of metal you need to protect. Our VpCI®-144 paper is coated with a water-based barrier coating. 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. Cortec VpCI®-144 paper provides an environmentally friendly.

VpCI®-145

Cortec VpCI®-145 Static Dissipative Corrosion inhibiting paper combines corrosion inhibiting and static-dissipative properties to provide a complete packaging paper for your valuable items. This new product from Cortec Corporation eliminates static electricity buildup through the use of an environmentally friendly coating made from soybean oil that is coated onto the surface of the paper. Cortec VpCI®-145 performs better on the static half life test (a test with an environment consisting of little or no humidity) than papers with conventional anti-stat coatings.

VpCI®-146 Multimetal Inhibitor Paper, Patented

Multimetal VpCI® coated high quality natural base paper. Non-toxic, nitrite free, 100% recyclable/repulpable. Excellent for single item packaging. Available in Coated 1 side and Coated 2 side versions. Also available in creped form.

VpCI®-148 Multimetal Inhibitor Paper, Patented

Cortec® VpCI®-148 is a new and 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 coating and is fully recyclable/repulpable. Cortec® VpCI®-148 paper is made from neutral, natural Kraft paper. In addition, VpCI®-148 is also fluorochemical free providing an environmentally friendly alternative to traditional grease resistant papers.

Our Products

VpCI®-149

Patented Corrosion Inhibiting Paper

VpCI®-149 is a new and 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 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. Since it is not a saturated paper will not tear like many other VCI papers.

Anti-Skid Linerboard

Cortec Anti-Skid Liner Board is designed to prevent slippage of cases, cartons, and bags up to a twenty degree slide angle depending on application and type of product being stacked. Cortec Anti-Skid Liner Board is non-adhesive and much more durable than alumina or silica treated anti-skid Liner Boards. This durability allows Cortec Anti-Skid Liner Board to be reusable while providing high tear resistance and burst strength. Cortec Anti-skid Liner Board is non toxic, 100% recyclable, biodegradable, and does not create dust. Cortec Anti-Skid Liner Board has many packaging applications due to the high coefficient of friction for “Liner Board on Liner Board” and “Liner Board on metal”. This allows the Liner Board to be very beneficial when transporting items on pallets to prevent damage caused by items falling off.

Cor-Pak® Fabric LD

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

Corrosorber® Paper

VpCI® Corrosorber® paper is a tarnish inhibiting packaging paper specifically for precious metals such as silver, gold and tin. VpCI® Corrosorber® paper is a unique product, in that one side of the paper has a special coating that scavenges or seeks out H₂S gas. When a significant amount of H₂ S gas has been absorbed by the paper, the paper will change color from light blue to brown. On the other side of VpCI® Corrosorber® paper, is a tarnish inhibitor that will protect precious metals for up to two years or until the opposite side of the paper has significantly changed color from light blue to brown. VpCI® Corrosorber® paper will eliminate the need for coatings and tarnish removers that are often associated with precious metals. Rest assured, knowing that your valuable precious metals will have the same exact appearance as prior to using SilverBrite. VpCI® Corrosorber paper will in no way hinder further processing of your precious metals. VpCI® Corrosorber paper is simple to use, simply wrap your precious metals and fold edges together so there is no free airflow. The VpCI® coating on the paper vaporizes, reaching all metal surfaces to provide complete tarnish inhibition. With many tarnish inhibitors, there is a need to remove after use, but with VpCI® Corrosorber® paper, there is no removal needed of the inhibitor. VpCI® Corrosorber® paper will in no way affect further processing of the precious metal or affect physical properties such as conductivity or surface resistivity.

Cor-Pak® Linerboard

Cor-Pak® Linerboard is the premium corrosion inhibiting linerboard in the industry. It provides superior corrosion protection for both ferrous and non-ferrous metals.

Cor-Pak® Reinforced VpCI® Paper

Cor-Pak® VpCI® Reinforced Paper is the premium corrosion inhibiting reinforced paper in the industry. It is made from the highest quality neutral natural kraft paper and has excellent tear resistance. This product also offers a barrier to water, oil and grease.

Our Products

Cor-Pak® VpCI® Polycoated Paper

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

CorrTainer®

CorrTainer® is a brand of VpCI® corrugated boxes. The inside of the box is coated with Cortec's Vapor phase Corrosion Inhibitor and a barrier coating which integrates safe, effective, multi-metal corrosion protection. CorrTainer® is fully recyclable and repulpable. Does not contain nitrites, phosphates, silicates, or banned or restricted substances per RoHS and similar regulations. In many cases, CorrTainer® eliminates the need for secondary packaging, is user friendly, and cost effective.

EcoShield® Paper & Linerboard, Patented

EcoShield® Paper is a packaging product coated with a barrier coating. One of its key features is that it is fully repulpable while displaying barrier properties similar or better than those of wax or polyethylene coated paper or linerboard.

50 NRSC

50 lb. natural clay coated release base for aqueous, solvent or solventless systems that will withstand high temperatures (+400°F, +204.4°C). Cortec's 50NRSC has a high level of silicone hold-out for various types of silicone systems. Its density exceeds 20,000 seconds. 50NRSC has excellent caliper consistency and lay-flat properties.

Bio-Pad®

Bio-Pad® is specially designed with vapor phase corrosion inhibitors impregnated throughout the substrate. Bio-Pad® is excellent for protection of ferrous and non-ferrous metals as well as alloys such as: steel, copper, brass, aluminum, zinc, solder, silver, etc.

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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