



SCOPE:

This specification provides guidelines for the use of Vapor Phase Corrosion Inhibitors (VpCI) packaging on ferrous and non-ferrous metal service parts. This specification applies only to individually packaged service parts. VpCI packaging products are saturated or extruded with chemistry that protects metal from corroding. Oxidation occurs when an electrolyte (water, oxygen, etc.) is present on the surface of a metal. VpCI prevents corrosion from occurring without the need for oils and other liquid rust preventatives in most cases. Once the enclosed VpCI protection is opened to the atmosphere, the molecules come to equilibrium with the atmosphere and these molecules no longer remain on the surface of the metal.

Note: The effectiveness of VpCI requires clean rust-free parts prior to application. The manufacturing handling, processing and storage conditions have a direct impact on part surface quality and corrosion protection.

VpCI materials come in several forms as detailed in the Approved Materials section of this Specification.


The packager is responsible for ensuring that the material chosen is properly applied to achieve a minimum of 24-month protection.

USAGE:

- The part should be clean and free of fingerprints and corrosion accelerating residues. VpCI will prevent corrosion but not neutralize or remove aggressive chemicals. To minimize part contamination, clean cotton gloves must be worn when handling any metal part and no contact with skin is allowed.
- All parts should be packaged dry and at ambient temperatures.
- It is critical that parts are enclosed inside of the VpCI bag. Air exchange from outside of the bag will compromise the effectiveness of the VpCI chemistry.
- Direct contact with non-VpCI packaging materials may cause corrosion if the part has a corrosive propensity. Therefore, place VpCI packaging between metals and acidic/moisture absorbing packaging materials such as corrugated or wood.
- Package parts as soon as possible for optimum effectiveness.

Note: For parts that will require more that 24 months of protection, please contact FCSD Packaging Engineering.

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INVENTORY/I.D.: All listed materials, except VpCI liquids, require the VpCI material manufacturer's identification.

- VpCI bags must have the quarterly date of manufacture printed on the film.
- To maximize the effectiveness, the packager should restrict on-hand inventories of material according to the manufacturers "expiration date". Store material in original packaging, out of direct sunlight and in a cool, dry location.

APPROVED SUPPLIER:


Only Cortec Corporation VpCI materials are approved.

APPROVED DISTRIBUTOR:

Distributed by Doug Brown Packaging Products
Sales Contact: Bryan Dynda (bdynda@dbpackaging.com)
Customer Service Contact: Laura Melton (customerservice@dbpackaging.com)

Note: VpCI materials not listed in this specification must be approved for use by FCSD Packaging Engineering in advance.

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APPROVED

MATERIALS: A. Corrosion Inhibiting Paper

- CorShield VpCI-146
 - i. Keep the VpCI paper as close to the surface of the product as practical, leaving no barrier between the VpCI paper and the metal surface to be protected.
 - ii. Both sides of paper offer effective protection.
 - iii. VpCI-146 provides multi metal protection and will protect all types of metals.

See spec sheet on pages 5 and 6

Detail	Size
A3	3" x 3"
A6	6" x 6"
A9	9" x 9"
A12	12" x 12"
A18	18" x 18"
A24	24" x 24"
A36	36" x 36"

B. VCI Low-Density Polyethylene Film

- Obsolete, replaced by 1379IE

I. VCI Low-Density Polyethylene Film


- Cortec VpCI-126 Blue
 - i. Heat sealable in the form of bag, sheeting or tubing.
 - ii. Provides multi metal protection and will protect all types of metals.

Bag sizes:

- IA: 48" X 36" X 48", 6 mil – used for long term protection
- IB: 48" X 36" X 60", 6 mil – used for long term protection
- IC: 48" X 36" X 48", 3 mil
- ID: 48" x 36" x 69", 3 mil
- IE: 18" X 24", 4 mil
- IF: 90" x 17" x 30", 10 mil minimum – used for long term protection
- IG: 54" x 44" x 96", 4 mil

See spec sheet on pages 7 and 8

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M. VpCI-143 Paper Emitters

- a. Standard construction is neutral kraft linerboard coated with VpCI material.
- b. Use approximately 1 emitter size 1" x 1" for every 25 cubic inches of void space.

See spec sheet on pages 9 and 10

M131: BioPad Foam emitter

- a. Biobased non-woven material
- b. 2" x 6"
- c. Protects up to 1.5ft³ per unit

See spec sheet on pages 11 and 12

M132: BioPad Foam emitter

- a. Biobased non-woven material
- b. 8" x 8"
- c. Protects up to 8 ft³ per unit


See spec sheet on pages 11 and 12

NA: CorrLam LD VpCI Barrier Laminate Bag

- a. Used for long term storage protection
- b. Clear polyester extrusion coating laminated to aluminum foil
- c. Bag size: 24" x 12" x 18"

See spec sheet on pages 13 and 14

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DETAIL A



CorShield® VpCI® -146

Corrosion Inhibiting Paper Powered by Nano VpCI® Technology



FEATURES

- Contains no nitrites, phosphates, silicones, chromates, or other heavy metals.
- Fully recyclable, repulpable.
- Commercial equivalent to MIL PRF-3420.
- Protective layer does not need to be removed prior to further surface finishing or coating application.
- Tested by Zagreb, Croatia-Department of Health, for use on food articles.

BENEFITS

- One product for all ferrous and non-ferrous metals.
- Combines corrosion protection and packaging into one step.
- Effective protection on both sides of paper eliminates packaging guesswork.
- Protects dry or oiled metals during storage, transit, and overseas shipment.
- Effective against aggressive environments including humidity, SO₂, H₂S, and galvanic corrosion from dissimilar metals.

PRODUCT DESCRIPTION

CorShield® VpCI®-146 is the premium corrosion inhibiting paper in the industry. Our patented Vapor phase Corrosion Inhibiting (VpCI®) Technology has revolutionized the way metals are protected in an enclosed package. CorShield® VpCI®-146 provides superior corrosion protection for both ferrous and non-ferrous metals, eliminating the need to stock a variety of papers for all different types of metals and alloys you need to protect. It is fully recyclable/repulpable, which means CorShield® VpCI®-146 can be recycled into other types of paper products such as boxes, cardboard, and other corrugated materials. It also means that it can be "repulped" or made into or mixed with pulp to make new paper products. Additionally, CorShield® VpCI®-146 does not contain any nitrites, phosphates, or silicates.

CorShield® VpCI®-146 paper is made from 100% recycled content paper. It is easy to use; there are no chemical concentrations to calculate, no chemical tanks or application system to maintain. Both sides of CorShield® VpCI®-146 paper offer effective protection; just wrap your products in the paper and fold the edges together. Use adhesive tape as needed to hold paper folds in place. The VpCI® coating on the paper vaporizes, reaching all metal surfaces to provide complete corrosion protection. The unique inhibiting action of CorShield® VpCI® forms a very thin and very effective protective layer that does not alter the appearance of products or require removal before further finishing or use. Parts protected with CorShield® VpCI®-146 can be painted, welded, and soldered. The VpCI® protective layer does not influence physical properties of most sensitive electrical components, including conductivity and resistance.

APPLICATION

Cortec® CorShield® VpCI®-146 paper can be used to protect products for storage and shipment in a wide variety of ways: single item packaging or interleaving, and closures for shipping tubes, insert strips for recessed areas in large packages, and as sheet liners or separators between products.

Other typical applications are


- Metal production: coils, wire reels, plate, bar, etc.
- Metal forging and die casting: raw and machined forgings and castings, tubes, pipes, nails, etc.
- Finished products: engines, machinery, equipment, tools, hardware, appliances, instruments, motors, etc.
- Electrical and electronic components, controls, etc.

Products should be packaged as soon after cleaning as possible, after being completely dried of residual water. Keep the VpCI® paper as close to the surface of the product as practical, leaving no barrier between the VpCI® paper and the metal surface to be protected.

METALS PROTECTED

- Carbon Steel
- Stainless Steel
- Galvanized Steel
- Cast Iron
- Aluminum Alloys
- Copper
- Brass (≤30% Zn)
- Solder

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DETAIL A

TYPICAL PROPERTIES

Property	Unit	Value	
Basis Weight	lbs/3000 ff ² (g/m ²)	35 ± 1.5 (57 ± 2.5)	
Caliper	Mils (µm)	4.0 ± 0.2 (100 ± 5)	
Tear Strength	gms	CD*	50 ± 5
		MD*	70 ± 10
Tensile Strength	lb/in (N/mm)	23 (4)	
Burst Strength (Mullen Test)	Psi (kPa)	20 (138)	

*CD = Cross Direction
**MD = Machine Direction

PACKAGING AND STORAGE

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C). Shelf life: 2 years.

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT SAFETY DATA SHEET FOR MORE INFORMATION

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, customer must return defective product to Cortec Corporation within 90 days of receipt of replacement product to customer. All freight charges for replacement products 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. USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE.



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SIZES

Standard Sizes: 35 lb/3000 ff ² (57 g/m ²)	
Roll Stock	Perforated Rolls
12" x 600'	12" x 12" x 600'
(60.1 cm x 182.9 m)	(30.5 cm x 30.5 cm x 182.9 m)
18" x 600'	4" x 8"
(45.7 cm x 182.9 m)	(10.2 cm x 20.3 cm)
24" x 600'	6" x 6"
(60.1 cm x 182.9 m)	(15.2 cm x 15.2 cm)
36" x 600'	9" x 9"
(91.4 cm x 182.9 m)	(22.9 cm x 22.9 cm)
48" x 600'	10" x 10"
(121.9 cm x 182.9 m)	(25.4 cm x 25.4 cm)
36" x 1200'	12" x 12"
(91.4 cm x 365.76 m)	(30.5 cm x 30.5 cm)
	16" x 16"
	(40.6 cm x 40.6 cm)
	18" x 18"
	(45.7 cm x 45.7 cm)
	24" x 24"
	(61 cm x 61 cm)
	36" x 36"
	(91.4 cm x 91.4 cm)

A wide variety of stock and custom sizes and constructions are also available upon request in 30 lb (49 g/m²), 35 lb (57 g/m²), 40 lb (65 g/m²), and 60 lb (98 g/m²) paper.

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DETAIL I



VpCI® -126 Blue High Technology Vapor phase Corrosion Inhibiting Films and Bags Patented Worldwide - Multi-Metal VpCI® Systems



HIGH LEVEL OF CORROSION PROTECTION

Metal parts packaged in Cortec® VpCI®-126 Blue receive continuous protection against salt, excessive humidity, condensation, moisture, aggressive industrial atmospheres, and dissimilar metal corrosion. The VpCIs vaporize and then condense to metal surfaces in the enclosed package. VpCI® reaches every area of your part, protecting its exterior as well as hard-to-reach interior surfaces. You get complete product protection during storage as well as during domestic and overseas shipments, virtually eliminating any rust claims.

VpCI®-126 Series is the best selling anticorrosion PE film in the world today, with the highest level of corrosion protection demonstrated by standard and internal corrosion test methods. For further testing and case history information, please contact your Cortec® distributor or visit Cortec® at www.cortecvci.com.

RECYCLABLE & ENVIRONMENTALLY CONSCIOUS

Cortec® VpCI®-126 Blue has received approval from a leading institute regarding the recycling and disposal of packaging materials containing Cortec® proprietary chemistry.

Cortec® is committed to providing the most environmentally sustainable products in the industry. In addition to being fully recyclable, VpCI®-126 Blue film is typically made with 20% recycled content; further improving the environmental footprint of this product.

METALS PROTECTED

- Aluminum
- Galvanized Steel
- Carbon Steel
- Silicon Steel
- Stainless Steel
- Copper
- Brass
- Cast Iron

SIZES AND CONSTRUCTIONS

Cortec® VpCI®-126 Blue is heat sealable and can be used with all types of manual or automated heat-seal packaging equipment. The material is available in a variety of standard and customized forms

DESCRIPTION

Vapor phase Corrosion Inhibitor (VpCI®) 126 Series film combines the latest film technology with the most effective corrosion protection for all of your metal products. Sealing your product in Cortec® VpCI® films protects metal parts from all types of corrosion including rust, tarnish, stains, white rust, and oxidation for up to 5 years.* It's as easy as putting your product in a Cortec® VpCI® package!

Cortec® VpCI® films and bags replace conventional rust preventatives such as oils and desiccants. You save even more because VpCI® packaging eliminates the degreasing or coating removal required in the past. Now your product can be used immediately. VpCI®-126 is transparent, making it easy to identify parts. Additionally, it does not contain free amines, phosphates, or halogen-based materials, and is non-toxic and recyclable.

VpCI®-126 Series films and bags protect metal objects as small as a needle to as large as the contents of an ocean-going container.

VpCI®-126 Blue can be manufactured utilizing a wide array of the most advanced resins. Custom blends are available to give you the exact properties you need, whether it's improved puncture resistance, tear strength, or other requirements.

*Depending on film construction thickness and application



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DETAIL I

PACKAGING AND STORAGE

To ensure best product performance, store VpCI®-126 Blue film in original packaging, indoors and out of direct sunlight at 40-100 °F (4-38 °C).

The shelf life of VpCI®-126 Blue film is 2 years.

including bags, sheeting-reinforced film, top-seal and Auto-Bags, gusseted liners, bags-on-a-roll, perforated sheeting, coil covers, shrink film, and tubing to protect small or large parts. Antistatic (ESD) varieties are available as well as coextruded constructions. Opaque formulations are also available.

Cortec® VpCI® film is available in a variety of gauges ranging from 2 to 10 mils (50-250 microns) and widths from 3" to 32" (7.6 cm - 9.7 m).

TYPICAL MECHANICAL PROPERTIES

Property	Test Method	Units	VpCI®-126	
Thickness	ASTM D6988	mil (µm)	2.0 (50)	6.0 (150)
			18.4 (472)	18.9 (480)
Breaking Factor	ASTM D882	lbs/in (N/m)	9.3 (1629)	18.3 (3196)
			9.5 (1665)	18.3 (3196)
Tensile Strength at Break	ASTM D882-02	psi (kPa)	4759 (32.812)	3184 (21.953)
			4603 (31.737)	3110 (21.443)
Elongation at Break	ASTM D882-02	%	607	770.4
			676.3	833.7
Yield Strength	ASTM D882-02	psi (kPa)	1528 (15.535)	794 (5474)
			1576 (10.866)	1425 (982.5)
Tear Strength	ASTM D1922-06a	mN	3755.3	15853
			7965.7	20279.2
Dart Drop Impact Resistance	ASTM D1709-04 Test Method A	grams	347.4	753.3

*Typical values represent average laboratory values and are intended as guides only, not as specifications.

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KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION

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DETAIL M



VpCI®-143 Paper Emitters, Patented

TYPICAL APPLICATIONS

Cortec VpCI-143 Paper Emitters are a very convenient way to protect products for storage and shipment.

The typical applications are:

- Industrial metal products: coils, wire reels, plates, bars
- Metalworking: raw and machined forgings, castings, sheet metal work, springs, bearings, fasteners, tube, pipe, nails, etc.
- Finished products: engines, machinery, equipment, tools, hardware, appliances, instruments, motors, etc.
- Electrical and electronic components, controls, etc.

PRODUCT DESCRIPTION

Cortec VpCI-143 Paper Emitters are a convenient and cost effective solution to corrosion problems. They provide superior corrosion protection for both ferrous and non-ferrous metals. In addition, Cortec VpCI-143 Paper Emitters are fully recyclable/repulpable. They can be recycled into other types of paper products such as boxes, cardboard, and other corrugated materials. VpCI-143 Paper Emitters are environmentally safe, non-toxic, biodegradable, and don't contain any nitrites, phosphates, silicates, or other hazardous compounds.



Cortec VpCI-143 Paper Emitters are made from the highest quality recycled neutral natural kraft linerboard. They are made without the use of chlorine or other chemical bleaching. This eliminates package contamination.

VpCI-143 Paper Emitters are easy to use. There are no chemical concentrations to calculate, no chemical tanks or application systems to maintain. The VpCI coating on the product vaporizes, reaching all metal surfaces to provide complete corrosion protection. The unique inhibiting action of Cortec VpCI forms a very thin and very effective protective layer that does not alter the appearance of products or require removal before further finishing or use. Parts protected with VpCI-143 Paper Emitters can be painted, welded, and soldered. The protective layer does not influence physical properties of most sensitive electrical components, including conductivity and resistance.

FEATURES

- Economical to use
- Coated 2-sided for fast vaporization and excellent contact protection
- One product for all ferrous and non-ferrous metals.
- Non-toxic. Contains no nitrites, phosphates, silicates, chromates, or other heavy metals
- Fully recyclable, repulpable
- Effective against aggressive environments
- Formed protective layer does not need to be removed prior to further surface finishing or coating application
- Made with natural grade linerboard, eliminates package contamination.
- Continuous protection

METALS PROTECTED

- Carbon Steel
- Stainless Steel
- Galvanized Steel
- Cast Iron
- Aluminum Alloys
- Copper
- Brass (≤30% Zn)
- Solder



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DETAIL M

METHOD OF APPLICATION

Products should be packaged as soon after cleaning as possible, but completely dried of residual water. Keep the VpCl-143 Paper Emitters as close to the surface of the product as practical, preferably leaving no barrier between the emitters and the metal surface to be protected.

Use approximately 1 emitter 1" x 1" (6.4 cm²) for every 25 cubic inches (390 cm³) of void space. For long-term storage of up to ten years, enclose the product (with the emitters) in an airtight package.

Standard Construction: Neutral natural kraft linerboard coated with VpCl material.

TYPICAL PROPERTIES

Property	TAPPI Method	Unit	VpCl-143 Paper Emitters
Base Weight, lbs	T-410	Lbs/1000ft ² (g/m ²)	42 (205)
Caliper (thickness)	T-411	Mils (µm)	10.5 (270)
Tear-MD	T-411	grams/force	245
Tear-CD	T-41	grams/force	265
Smoothness	T-538	sheffield	220
Smoothness VpCl side	T-538	sheffield	250

CD = Cross Direction
MD = Machine Direction

PACKAGING AND STORAGE

Custom sizes and constructions available upon request, in a 42 lbs./1,000sq. ft. (205 g/m²) linerboard. Other basis weights are also available.

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KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY SEALED
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DETAIL M131 AND M132



BioPad® Biobased Emitter powered by Nano VpCl®



DESCRIPTION
 BioPad® is a unique flexible corrosion inhibiting device constructed from biobased non-woven material. BioPad® provides an eco-friendly sustainable packaging option for corrosion inhibition. Its high VpCl® concentration, in combination with thin design, results in material reduction by up to 94% in comparison to similar polyurethane foam emitting devices.

BioPad® is easy to use. Simply placing the correct size BioPad® into your package will allow metal items to be protected. Parts protected with BioPad® are always ready for use; no degreasing or coating removal is required; just remove the item from the package and put to use.

PACKAGING & STORAGE
 Sizes are available upon request. Contact Cortec® Customer Service for details.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years

FEATURES

BioPad® is specially designed with Vapor phase Corrosion Inhibitors impregnated throughout the substrate. BioPad® is excellent for protection of ferrous and non-ferrous metals as well as various alloys (steel, copper, brass, aluminum, zinc, etc.).

BENEFITS

- Constructed from biobased non-woven material
- Provides multimetal corrosion protection
- Free of nitrites and chromates

METALS PROTECTED

- Aluminum
- Galvanized Steel
- Brass
- Carbon Steels
- Copper
- Zinc

APPROXIMATE DOSAGES

- BioPad® 2"x6"**
Protects up to 1.5 ft³ (0.042 m³) per unit
- BioPad® 8"x8"**
Protects up to 8 ft³ (0.23 m³) per unit
- BioPad® Roll**
Protects up to 15 ft³ per ft² of material (4.57 m³/m²)

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DETAIL M131 AND M132

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FORD MOTOR COMPANY, PACKAGING ENGINEERING, FORD CUSTOMER SERVICE DIVISION, 28301 SCHOOLCRAFT ROAD, BUILDING 300, LIVONIA, MI 48150

Designed J. Severn	Approved T. A. Kasper	Date 10-13-71	Revised 11-24-21
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DETAIL NA



CorrLam® LD VpCI® Barrier Laminate



FEATURES

- Protects ferrous and nonferrous metals
- Utilizes Vapor phase Corrosion Inhibitor (VpCI®) technology
- Eliminates the need for desiccants while providing complete corrosion protection
- Flexible, heat-sealable (vacuum sealable)
- High barrier block to water vapors, oxygen, and carbon dioxide
- Excellent mechanical properties
- Water Vapor Transmission Rate (WVTR) and O₂ Transmission Rate (OTR) are less than 0.0006g/100 in² per day
- High degree of puncture and tear resistance
- Material may also be fitted with a one-way vacuum valve, for removal of harmful moisture vapor and other gases from the interior of an enclosure or package

TEST METHODS

Property	Test Method	Value
Basis Weight (lb/3,000 ft ²)	TAPPI	108.54
Yield (in ² /lb)	Calculated	3776
Caliper (mil)	TAPPI T414	7.3
Tensile Strength (psi)	TAPPI T949	30.46(MDI) 29.89 (TDI)
Elmendorf tear (g)	TAPPI T414	232 (MD) 317 (TD)
Puncture Resistance (lb)	FED STD 101	14.1
Heat Seal Strength, lb/in width (350° F, 40 psi, 1.5 sec dwell)	ASTM F88	16.67
Water Vapor Transmission Rate, (g/100 in ² /24 hours) (73° F, 90% R. H.)	TAPPI T557	<0.0006
Oxygen Transmission Rate (cc/100 in 2/24 hours) (73° F, 0% R. H.)	ASTM D3985	<0.0003

DESCRIPTION

This unique structure consists of a clear polyester extrusion coating laminated to a 0.285 mil aluminum foil, which is laminated to a 4-mil Cortec® VpCI®-126 film. Total caliper is 7.3 mils (182.5 microns). This multilayered high performance laminated structure was developed to meet the toughest industrial requirements, and provide an excellent barrier to water vapor, gas, ultraviolet light, and odor. The barrier layer (foil) prevents the VpCI® molecular vapor from escaping the package thereby trapping the protective chemistry within.

CorrLam® LD VpCI® Barrier Laminate prevents corrosion on metal parts, extends product shelf life, and provides long-term preservation.

TYPICAL APPLICATIONS

- For export packaging, highly sensitive domestic packaging and/or long-term preservation.
- CorrLam® is designed for the exceptional protection of moisture-sensitive and oxygen-sensitive metal parts
- Ideal for vacuum packaging
- Utilized for fabrication of large format equipment covers and small parts pouches



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DETAIL NA

PACKAGING AND STORAGE

Available in custom sizes such as pouches, covers, blankets etc. Contact CorTec® Corporation for more information. Store in a cool, dry place until ready for use. The shelf life for Corrlam® LD VpCl® Barrier Laminated material and converted products is one year.

**FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION**

LIMITED WARRANTY

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Revisions:

- 11-24-21 Added detail IG on page 3. (KLD)
- 3-30-21 Updated, scope, application and usage. Removed details, C, D, E, F, G, H, K. Updated detail I and M. Added detail NA. (KLD)
- 3-12-14 Added Cortec VpCI -143 Paper Emitters and product supplier on page 7. (OVB)
- 1-17-11 Added Detail A chart to page 3. Added statement to Detail B, VCI bags when used inside a corrugated carton do not have to be heat sealed closed. (OVB)
- 2-7-08 Total rewrite. (DCM)
- 1-26-07 Added protection information to Detail K. (DCM)
- 1-25-07 Enhanced long term protection option, added application guideline. Added details K and L. (DCM)
- 5-12-06 Added Date Stamp requirement for VCI storage carton. (DVB)
- 11-10-05 Removed Reference to Material Specification M-1E-14A due to its unavailability. (DVB)
- 3-1-01 Revised VCI Impregnated Containers. Section "E" under materials. (JWS)
- 10-22-99 Revised note and deleted the L-149 caution statement. (DVB)
- 8-9-96 Revised basis weight, was impregnated 2.0 GMS/Sq. Revised Detail B. Added note. (DVB)
- 11-24-93 Added Toxicology Numbers to Cortec® 326, 379, 126 and Corpak Film. (DVB)
- 6-25-93 Added Details H, I and J. (DVB)
- 5-17-93 Added dilution ratio to Detail G, added Cortec® copyright information. (AWK)
- 2-7-92 Added Details F and G. (AWK)
- 9-16-87 Combined material spec 1379 and 1380 and added polyethylene film, impregnated cartons and 1275 pouch. (JS & JWS)
- 2-19-86 Added caution statement reference. (JRH)

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		Date	10-13-71
		Revised	11-24-21