



## HIGH PERFORMANCE VpCI® PACKAGING

# EcoShield® VpCI® Linerboard, Patented



### PRODUCT DESCRIPTION

EcoShield® VpCI® Linerboard is a unique product that combines Cortec's field proven vapor phase corrosion inhibitors (VpCI®s) and a barrier coating.

Our patented VpCI® technology has been the industry's forerunner in the way metals are protected against corrosion. EcoShield® VpCI® Linerboard provides excellent corrosion protection for both ferrous and non-ferrous metals. The exceptional inhibiting action of Cortec® VpCI®s forms a very thin and very effective protective layer. This layer does not require removal before further finishing or use, such as painting, welding, soldering, etc. The physical properties of the parts protected by EcoShield® VpCI® Linerboard will not change.

In addition to its superior anti-corrosion qualities, EcoShield® VpCI® Linerboard also offers barrier properties. It displays Moisture Vapor Transmission Rates similar to those of polycoated and waxed paper. However, contrary to those latter products, EcoShield® VpCI® Linerboard is fully recyclable (repulpable). There is no need for expensive processes to separate the paper base from the coating.

### TYPICAL APPLICATIONS

EcoShield® VpCI® Linerboard can be used to protect metal parts for storage and shipments.

- Interleaving
- Boxes
- End-enclosures

### Typical applications include:

- Finished products (engines, instruments, motors, etc)
- Metalworking (stamping, sheet metal work, springs, bearings, fastener, tube, pipe, rails, etc)
- Metal forging and die casting (raw and machined forgings and castings)
- Metal producing (coils, wire rolls, plates, bars, etc)
- Electrical and electronic components, controls, etc

### FEATURES

- Protects both ferrous and non-ferrous metals
- Barrier coated paper
- Very Low Moisture Vapor Transmission Rate (MVTR), comparable to that of polycoated or waxed paper
- Fully recyclable (repulpable)
- Non-toxic. Does not contain nitrites, phosphates, silicones, chromates or other heavy metals
- Combines corrosion protection and moisture vapor barrier properties in one step

### TYPICAL PROPERTIES

Property	TAPPI Method	Unit	EcoShield VpCI N42 Linerboard
Basis Weight	T-410	Lbs/3,000 ft <sup>2</sup> (g/m <sup>2</sup> )	126 ± 7 (205 ± 11)
Caliper	T-411	Mil (µm)	15 ± 2 (381 ± 50)



**CORTEC**  
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Environmentally Safe VpCI®/MCI® Technologies

## METALS PROTECTED

- Carbon Steel
- Stainless Steel
- Galvanized Steel
- Cast iron
- Aluminum alloys
- Copper
- Brass (Less than 30% Zn)
- Solder

## METHOD OF APPLICATION

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

Use approximately 1 square foot (0.09 m<sup>2</sup>) of EcoShield® VpCl® Linerboard for every 3 square foot (0.28 m<sup>2</sup>) of surface to be protected. Use 1 square foot (0.09 m<sup>2</sup>) of EcoShield®VpCl® Linerboard for every 0.5 cubic foot (0.1 m<sup>3</sup>) of void space.

## STANDARD CONSTRUCTION

EcoShield®VpCl® Linerboard is made from the highest quality paper, coated with a blend of Vapor phase Corrosion Inhibitors and a barrier coating. The treated side contains a green tint for easy identification.

## PACKAGING AND STORAGE

EcoShield®VpCl® Linerboard is available in 42#/msf (205 g/m<sup>2</sup>) linerboard basis weight.

Custom sizes and constructions are available upon request.

## FOR INDUSTRIAL USE ONLY

### KEEP OUT OF REACH OF CHILDREN

### KEEP CONTAINER TIGHTLY CLOSED

### NOT FOR INTERNAL CONSUMPTION

### CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

## LIMITED WARRANTY

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