



## HIGH PERFORMANCE VpCI PACKAGING

# Cor-Pak<sup>®</sup> EX VpCI<sup>®</sup> Film



### PRODUCT DESCRIPTION

Cor-Pak EX VpCI Film is made using high-density polyethylene and extruding with Vapor phase Corrosion Inhibitors (VpCI) to protect ferrous and most non-ferrous metals from corrosion. Simply wrap the metal object with Cor-Pak EX film. The VpCI in the film volatilizes and migrates with air then condenses on all metal surfaces, reaching all exposed and recessed areas.

Cor-Pak EX VpCI Film provides a high level of corrosion inhibitor protection along with the excellent moisture barrier properties of high-density polyethylene film. It is unaffected by most solvents, strong acids and alkalis.

Incorporating Cortec's proven Vapor phase Corrosion Inhibitors, Cor-Pak EX VpCI Film is the ideal solution when a combination of multimetal and mechanical protection is desired.

### FEATURES

- Transparent
- Flexible
- Lightweight
- Strength & Conformability
- High Density Polyethylene Substrate
- Low Cost

### BENEFITS

- Allows visual inspection without unwrapping
- Excellent for interleaving and wrapping
- Concentrated level of VpCI for maximum quick protection
- Priced to compete effectively with VpCI paper
- Easy-to-wrap product
- Low shipping costs
- Film will not tear or puncture when packaging oddly shaped parts
- Universal protection
- Protection against moisture superior to that offered by papers
- Reduces moisture and sulfur contamination found in VPI paper and corrugated containers
- Economical protection
- Extremely effective corrosion inhibitor protection
- Protects ferrous and most non-ferrous metals and alloys
- Environmentally friendly
- Good moisture barrier
- Recyclable

### METALS PROTECTED

- Carbon steel
- Galvanized steel
- Stainless steel
- Copper and alloys
- Aluminum and aluminum alloys
- Brass
- Zinc

### ADDITIONAL BENEFITS

- Highest performing VpCIs made
- Vapor phase inhibition protects inaccessible and recessed surfaces
- If VpCI layer is disturbed by opening the package, protection is restored by closing the package



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CORPORATION

Environmentally Safe VCI/MCI<sup>®</sup> Technologies

- Protected parts can be used immediately without degreasing or cleaning
- No spraying, wiping, dipping, or surface preparation of metal required
- Convertible to a wide variety of sizes of shrouds and liners to protect small or large parts

## THE APPLICATIONS

Cor-Pak EX VpCI Film provides corrosion protection to products, interleaved, wrapped or shrouded. It represents excellent economical and aesthetically pleasing replacements for VCI/VPI papers.

## ADDITIONAL APPLICATIONS

- Parts and components
- Tools
- Bin and box liners
- Electrical motors and mechanical controls
- Electrical and electronic assemblies and components
- Interleaving of coils and sheets
- Foam-in-place applications
- Bearings
- Interleaving of trays for parts storage/handling

## METHOD OF APPLICATIONS

When using Cor-Pak EX film, metal items should be completely wrapped or shrouded to prevent the entry of moisture or air.

## 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

## TYPICAL PROPERTIES

Form	Extruded high-density polyethylene film
Appearance	Transparent film
Thickness	1.0-1.25 mil (25-35 microns)

## EXAMPLE

Barrier properties of various packaging materials

Materials	Grams of moisture transmitted per 24 hr. period	
	100 in <sup>2</sup>	(cm <sup>2</sup> )
Barrier Films	0.0	(0.000)
<b>Cor-Pak EX film</b>	<b>0.5</b>	<b>(0.0008)</b>
45 lb. Kraft PE Coated Paper	0.5	(0.0008)
1-mil Low-Density Polyethylene	0.9	(0.0014)
35 lb. Kraft Paper	Unlimited*	

\*Will allow all moisture to pass through in a 24 hour period

## PACKAGING AND STORAGE

Cor-Pak EX film is available in rolls and sheets in standard and custom sizes. Contact Cortec for minimum quantities and specific sizes.

This product should be stored indoors at ambient temperature, sealed with their original packaging. Under these conditions, shelf life is up to 24 months.

**Note:** When Cor-Pak EX film is used with petro-based coatings, there is a possibility of gel ink transfer.

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