



HIGH PERFORMANCE VCI PACKAGING

COR-PAK™ FILM

High-density Polyethylene with Cortec VCI

DESCRIPTION

Cor-Pak™ film is made using high-density polyethylene and coated with vapor corrosion inhibitors (VCIs) to protect ferrous and most non-ferrous metals from corrosion. Simply wrap the metal object with Cor-Pak™ film. The VCIs on the film volatilize and migrate with air then condense on all metal surfaces, reaching all exposed and recessed areas.

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

FEATURES

- Transparent
- High Coating Weight
- High Density Polyethylene Substrate
- Strength & Conformability
- Low Cost

BENEFITS

- Allows visual inspection without unwrapping
- Excellent for interleaving and wrapping
- Concentrated level of VCIs for maximum quick protection
- Priced to compete effectively with VCI paper
- Easy-to-wrap product
- Low shipping costs
- Film will stretch and 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 protection
- Protects ferrous and most non-ferrous metals and alloys
- Environmentally friendly
- Good moisture barrier



COR-PAK™
High-density Polyethylene
VCI coated, lightweight, 1 mil (25 micron) Excellent for interleaving.

EXAMPLE

Barrier properties of various packaging materials

Material	Grams of moisture transmitted per 24 hr. period	
	100 in ²	(cm ²)
Barrier Films	0.0	(0.000)
VCI Cor-Pak™ Film	0.5	(0.0008)
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 applied to pass through in a 24 hour period



ADDITIONAL BENEFITS

- Highest performing VCIs made.
- Vapor phase inhibition protects inaccessible and recessed surfaces.
- If VCI layer is disturbed by opening the package, protection is restored by closing the package.
- 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™ 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 APPLICATION

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

METALS PROTECTED

- Carbon steels • Stainless steels • Copper • Brass
- Aluminum • Zinc • Galvanized Steel
- Aluminum Alloys • Copper Alloys

SIZES

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

EXPOSURE LIMITATIONS

VCI film products 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™ film is used with petro-based coatings, there is a possibility of gel ink transfer.

TYPICAL PROPERTIES

Form Coated high-density polyethylene
Appearance Transparent film
Thickness (film and coating)..... 1.4-1.8 mil (30-40 microns)
Note: All Cor-Pak™ film is 1 mil original thickness, with coating it is 1.4-1.8 mil (30-40 microns).

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4119 White Bear Parkway, St. Paul, MN 55110 USA
Phone (651) 429-1100, Fax (651) 429-1122
Toll-Free (800) 4-CORTEC, E-mail info@corotecvci.com
Internet http://www.corotecvci.com

Distributed by:



OTiK Sp. z o.o.

ul. Hutnicza 4
81-061 Gdynia
tel.: 58 6230498
fax: 58 6230496

otik@use.pl

www.inhibitory.use.pl

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