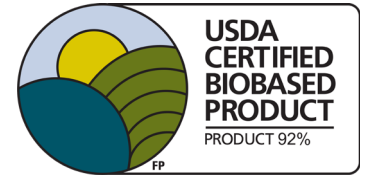




**CORTEC**  
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies



# CorShield® VpCI®-146 Paper

## Recyclable, Biodegradable, Compostable, Patent Pending

### DESCRIPTION

CorShield® VpCI®-146 with Eco-Bio™ Technology is the premium corrosion inhibiting paper in the industry. It relies on Cortec's patented biodegradable and compostable Vapor phase Corrosion Inhibiting Technology, which has revolutionized the way metals are protected in an enclosed package.

Both sides of CorShield® VpCI®-146 paper offer effective protection to ferrous and non-ferrous metals, eliminating the need to stock a variety of papers for different metal types. Simply wrap items in the paper and fold the edges together, taping as needed to hold paper in place. The VpCI® coating on the paper vaporizes, reaching all metal surfaces within the package to provide complete corrosion protection with a very thin, very effective VpCI® layer that does not alter product appearance or require removal before further finishing or use.

CorShield® VpCI®-146 paper is made from 100% recycled content paper and is fully recyclable/repulpable. It is biodegradable and compostable. It contains 92% USDA certified biobased content and is a qualified product under the mandatory federal purchasing initiative of the USDA BioPreferred® Program.\*

### PACKAGING & 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

### HIGH PERFORMANCE VPCI® PACKAGING



### FEATURES

- Made with 100% recycled content paper
- Contains 92% USDA certified biobased content
- Compostable per ASTM D6868
- 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
- Does not influence physical properties of most sensitive electrical components, including conductivity and resistance
- Patent pending

### 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, SO<sub>2</sub>, H<sub>2</sub>S, and galvanic corrosion from dissimilar metals

### METALS PROTECTED

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

\*For more information about the BioPreferred® Program, please visit: <https://www.biopreferred.gov>.

# CorShield® VpCI®-146 Paper

## TYPICAL PROPERTIES

Property	Unit	Value	
Basis Weight	lbs/3000 ft <sup>2</sup> (g/m <sup>2</sup> )	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 <sub>p</sub> /in (N/mm)	23 (4)	
Burst Strength (Mullen Test)	Psi (kPa)	20 (138)	

\*CD = Cross Direction

\*MD = Machine Direction

## SIZES

Standard Sizes, 35 lb/3000 ft <sup>2</sup> (57 g/m <sup>2</sup> )		
Roll Stock	Sheets	Perforated Rolls
12" x 600' (60.1 cm x 182.9 m)	4" x 8" (10.2 cm x 20.3 cm)	12" x 12" x 600' (30.5 cm x 30.5 cm x 182.9 m)
18" x 600' (45.7 cm x 182.9 m)	6" x 6" (15.2 cm x 15.2 cm)	
24" x 600' (601 cm x 182.9 m)	9" x 9" (22.9 cm x 22.9 cm)	
36" x 600' (91.4 cm x 182.9 m)	10" x 10" (25.4 cm x 25.4 cm)	
48" x 600' (121.9 cm x 182.9 m)	12" x 12" (30.5 cm x 30.5 cm)	
36" x 1200' (91.4 cm x 365.76 m)	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/m<sup>2</sup>), 35 lb (57 g/m<sup>2</sup>), 40 lb (65 g/m<sup>2</sup>), and 60 lb (98 g/m<sup>2</sup>) paper.

Day 1



After 4 Weeks



After 10 Weeks



Compostability testing in accordance with ASTM Standard D6868

4119 White Bear Parkway, St. Paul, MN 55110 USA  
 Phone (651) 429-1100, Fax (651) 429-1122  
 Toll Free (800) 4-CORTEC  
 info@cortecvci.com  
 https://www.cortecvci.com  
 https://www.cortecpackaging.com



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