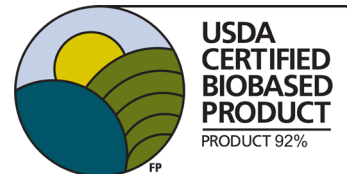




CORTEC
CORPORATION

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.

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.*

Also available in repulpable heat sealable version, CorShield® VpCI®-146 Heat Sealable Paper.

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
- 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, SO₂, H₂S, and galvanic corrosion from dissimilar metals

METALS PROTECTED

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

APPLICATION

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.

*For more information about the BioPreferred® Program, please visit: <https://www.biopreferred.gov>. Certification and biodegradability/compostability do not apply to CorShield® VpCI®-146 Heat Sealable.

CorShield® VpCI®-146 Paper

CorShield® VpCI®-146 Heat Sealable Paper can be made into custom-sized heat sealable pouches to package and protect metal parts from corrosion.

TYPICAL PROPERTIES

Property	Unit	Value	
Basis Weight	lbs/3000 ft 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 _r /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 ² (57 g/m ²)		
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 ²), 35 lb (57 g/m ²), 40 lb (65 g/m ²), and 60 lb (98 g/m ²) paper.		

Day 1



After 4 Weeks



After 10 Weeks



Compostability testing in accordance with ASTM Standard D6868

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