



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies



CorShield® VpCI®-146 Paper with 100% Recycled Content (USDA certified biobased 92%)

DESCRIPTION

CorShield® VpCI®-146 is the premium corrosion inhibiting paper in the industry. It relies on Cortec's patented 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. All that is needed is to wrap items in the paper and fold the edges together, using adhesive tape 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 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

- 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

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

*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 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' (60.1 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/m²), 35 lb (57 g/m²), 40 lb (65 g/m²), and 60 lb (98 g/m²) paper.

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec® Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec® Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec® Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec® Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec® Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

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