

# Eco-Corr® Biodegradable VpCI® Film, Patented, New Patent Pending

## DESCRIPTION

Eco-Corr Film® is the first biodegradable corrosion inhibiting film that contains Cortec's proprietary VpCI® Technology and provides excellent contact, barrier, and vapor-phase corrosion protection for ferrous and non-ferrous metals.

Eco-Corr Film® will disintegrate into carbon dioxide and water within 2-3 months in a commercial composting environment. The exact time for films to biodegrade is dependent upon the conditions and activity of the disposal environment (temperature, soil quality, activity of microorganisms). Eco-Corr Film® is shelf stable and will not break down prematurely until disposed of in a proper composting environment.

Laboratory compostability testing of Eco-Corr Film® using a household-style compost bin showed the film was disintegrated in 112 days.

## PACKAGING & STORAGE

Eco-Corr Film® is available in standard length 36" (91.4 cm) and 48" (122 cm) rolls as well as a wide variety of custom sizes and forms.

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

- The first biodegradable, compostable packaging film that provides contact, barrier, and vapor-phase corrosion inhibition
- Provides multimetal corrosion inhibitor protection
- Certified industrially compostable by TÜV Austria (#TA8012206603)
- Meets ASTM D6400
- Meets NACE TM0208-2018 standard for corrosion protection
- Meets German TL-8135-002 standards for corrosion protection
- Complete replacement for non-degradable and inferior blend films
- Contains biobased polymer resin
- Great environmentally responsible alternative to conventional polyethylene films for shipping and storage applications

## APPLICATION

Metal parts packaged in Eco-Corr Film® receive continuous protection against salt, excessive humidity, condensation, moisture, aggressive industrial atmospheres, and dissimilar metal corrosion. The Vapor phase Corrosion Inhibitors vaporize and then condense on all metal surfaces in the enclosed package. VpCI® reaches every area of your part, protecting its exterior as well as hard to reach interior surfaces. You get complete product protection during storage as well as during domestic and overseas shipments, virtually eliminating rust claims.

## METALS PROTECTED

- Aluminum
- Galvanized Steel
- Carbon Steel
- Silicon Steel
- Stainless Steel
- Copper
- Solder
- Brass

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## PHYSICAL PROPERTIES

Property		Test Method	Units	Eco-Corr®
Caliper		ASTM D6988	µm	40
Breaking Factor	MD	ASTM D882-02	N/m	514,59
	CD			673,43
Tensile Strength at Break	MD	ASTM D882-02	MPa	12,84
	CD			16,62
Elongation at Break	MD	ASTM D882-02	%	239,2
	CD			445,5
Tear Strength	MD	ASTM D1922	mN	1569,6
	CD			2328,24
Impact Puncture		ASTM D3420-0495 B	N	7795,68
			J	0,67
Coefficient of Friction		ASTM D1894	Static	0,210
			Kinetic	0,179

Typical mechanical properties represent average laboratory values and are intended as guides only, not as specifications. Film properties are typical of blown film extruded at a blowup ratio of 2.5:1, but are dependent upon operating conditions.



### LIMITED WARRANTY

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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  
 productinfo@cortecvci.com  
<https://www.cortecvci.com>  
<https://www.cortecpackaging.com>



**Valdamark Limited**  
 Unit 13,  
 30 The Downs  
 Altrincham, Cheshire, WP14 2PX,  
 United Kingdom.  
[valdamark@live.com](mailto:valdamark@live.com)  
 Tel: +44 (0) 161 706 0388

