

**ROHS  
COMPLIANT**

ISO 9001  
CORTEC SYSTEMS  
CORPORATION  
ISO 13001  
CORTEC SYSTEMS  
CORPORATION

**HIGH PERFORMANCE VpCI® PACKAGING**

# VpCI®-126 Blue

**High Technology Vapor phase Corrosion Inhibiting Films and Bags  
Patented Worldwide  
Multimetal VpCI Systems**



## DESCRIPTION

Vapor phase Corrosion Inhibitor (VpCI) 126 Series films combine the latest film technology with the most effective corrosion protection for all of your metal products. Sealing your product in Cortec VpCI films protects metal parts from all types of corrosion including rust, tarnish, stains, white rust, and oxidation for up to 5 years.\* It's as easy as putting your product in a Cortec VpCI package!

Cortec VpCI films and bags replace conventional rust preventatives such as oils and desiccants. You save even more because Cortec VpCI packaging eliminates all the degreasing or coating removal required in the past. Your product can now be used immediately. VpCI-126 is transparent, making it easy to identify parts. Additionally, it does not contain free amines, phosphates, or halogen-based materials, and is non-toxic and recyclable.

VpCI-126 MIL version also qualified to MIL-PRF-22019D (Type 1), according to the Naval Air Warfare Center Aircraft Division, QPL 13600 Ser 43500B120-3/531. In addition, VpCI-126 MIL is referenced in TO 1-1-686, TM 55-1500-331-34, NAVAIR 15-01-4, and NACE Standard RP0487-2000 Item #21037.

VpCI-126 Series films and bags protect metal objects as small as a needle to as large as the contents of an oceangoing container.



VpCI-126 can be manufactured utilizing a wide array of the most advanced resins. Custom blends are available to give you the exact properties you need, whether it's improved puncture resistance, tear strength, or other requirements.

## MULTIMETAL VpCI

Metal parts packaged in Cortec VpCI-126 Blue receive continuous protection against salt, excessive humidity, condensation, moisture, aggressive industrial atmospheres, and dissimilar metal corrosion. The VpCIs vaporize and then condense to 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 any rust claims.

## FDA APPROVED AND RECYCLABLE

Cortec VpCI-126 has received approval by the Federal Drug Administration for use on food containers and food handling equipment. In addition, Cortec VpCI-126 Blue has received approval from a leading institute regarding the recycling and disposal of packaging materials containing Cortec proprietary chemistry.

\* Depending on film construction thickness and application

**HIGH LEVEL OF CORROSION PROTECTION**

The VpCI-126 Series is the best selling anticorrosion PE film in the world today, with the highest level of corrosion protection demonstrated by standard and internal corrosion test methods. For further testing and case history information, please contact your Cortec distributor or visit Cortec on the World Wide Web at <http://www.CortecVCI.com>.

**TRUE VpCI PROTECTION**

The Cortec VpCI-126 Series is the only film available today that offers a balanced combination of vapor phase and contact corrosion protection combined with high-tech resin and extrusion technology.

**METALS PROTECTED**

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

**TYPICAL MECHANICAL PROPERTIES**

Property		Test Method	Units	VpCI-126		
Caliper		ASTM D6988	mil	2.00	4.00	6.00
Breaking Factor	MD	ASTM D882-02	lbs/in	6.62	13.00	18.88
	TD			7.32	14.69	18.25
Tensile Strength at Break	MD	ASTM D882-02	psi	3312.00	3137.25	3184.35
	TD			3486.95	3276.05	3109.60
Elongation at Break	MD	ASTM D882-02	%	463.13	655.21	770.37
	TD			688.39	725.00	833.65
Yield Strength	MD	ASTM D882-02	psi	1248.74	865.30	793.85
	CD			1569.96	1434.74	1425.18
Tear Strength	MD	ASTM D1922-06a	mN	1695.14	11803.40	15852.96
	CD			7628.26	17171.43	20279.24
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	191.35	549.30	753.28

\*Typical values represent average laboratory values and are intended as guides only, not as specifications.

**WIDE VARIETY OF SIZES AND CONSTRUCTIONS**

Cortec VpCI-126 Blue is heat sealable and can be used with all types of manual or automated heat-seal packaging equipment. The material is available in a variety of standard and customized forms including bags, sheeting-reinforced film, Zip-Lock and Auto-Bags, gusseted liners, bags-on-a-roll, perforated sheeting, coil covers, shrink film, and tubing to protect small or large parts. Antistatic (ESD) varieties are available as well as coextruded constructions. Opaque formulations are also available.

Cortec VpCI film is available in a variety of gauges ranging from 2 to 10 mils (50-250 microns) and widths from 3" to 32' (7.6 cm - 9.7 m).

**SHELF LIFE**

The shelf life of VpCI-126 film is 2 years.

**FOR INDUSTRIAL USE ONLY**

**KEEP OUT OF REACH OF CHILDREN**

**KEEP CONTAINER TIGHTLY CLOSED**

**NOT FOR INTERNAL CONSUMPTION**

**CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION**

**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.

**BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.** No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec Corporation.

**THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.**



Distributed by:

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@cortecvci.com](mailto:info@cortecvci.com)  
 Internet <http://www.CortecVCI.com>

printed on recycled paper 100% post consumer  
 Revised 1/21/10 Cortec Corporation 2001-2010. All rights reserved. Supersedes: 8/05/07  
 Cortec® and VpCI® are registered trademarks of Cortec Corporation.  
 © 2010, Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited.