**PRODUCT DESCRIPTION**

Cortec VpCI-149 is a unique corrosion inhibiting paper for the protection of a wide variety of metals. Formulated to provide extra protection to sensitive metals such as copper, aluminum, and cast iron; VpCI-149 is an excellent product for virtually all packaging needs. Manufactured using a neutral natural kraft paper, the coating provides a very soft and conformable feel to the paper. It wraps easily around metal parts, making it easy to use. Since it is not a saturated paper it will not tear like many other VCI papers.

Designed specially to provide a superior level of VpCI protection compared to other VCI papers, VpCI-149 can be used for a variety of applications. The soft feel makes it easy to use when individually wrapping parts, while the strong vapor phase protection makes a great product for interleaving and protecting void spaces.

Cortec’s VpCI-149 paper is made from the highest quality neutral natural kraft paper; our paper is made without the use of chlorine or other chemical bleaching. This eliminates package contamination found with other competing VCI/VPI papers. VpCI-149 is easy to use. There are no chemical concentrations to calculate, no chemical tanks or application systems to maintain. Just wrap your products in the paper, and fold edges together. Use adhesive tape as needed to hold paper folds in place. The VpCI coating on the paper vaporizes, reaching all metal surfaces to provide complete corrosion protection.

**FEATURES**

- One product for all ferrous and non-ferrous metals.
- Non-toxic. Contains no nitrites, phosphates, silicones, chromates, or other heavy metals.
- Fully recyclable, repulpable.
- Effective against aggressive environments including humidity, SO₂, H₂S, and galvanic corrosion from dissimilar metals.
- Conforms to military specifications MIL-P-3420E.
- Protective layer does not need to be removed prior to further surface finishing or coating application.
- Protects dry or oiled metals during storage, transit, and overseas shipment.
- Natural grade paper eliminates package contamination.
- Combines corrosion protection and packaging into one step.
**METHOD OF APPLICATION**

Products should be packaged as soon after cleaning as possible, but completely dried of residual water. Keep the VpCI paper as close to the surface of the product as practical, leaving no barrier between the VpCI paper and the metal surface to be protected.

Use approximately 1 square foot (0.09 m²) of VpCI paper for every 3 square feet (0.28 m²) of surface to be protected, and 1 square foot (0.09 m²) of VpCI paper for every 0.5 cubic foot (0.01 m³) of void space. For long-term storage of up to ten years, enclose the wrapped product in an airtight package.

**Standard Construction:** Neutral natural kraft paper, coated with VpCI material. The paper contains printed logo on reverse side to the coating.

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

**TYPICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Test</th>
<th>Cortec VpCI-149</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength at Break, ASTM D 882-98, (lbs)</td>
<td>26.71/24.49</td>
</tr>
<tr>
<td>Tensile Strength at Peak, ASTM D 882-98, (psi)</td>
<td>9791.34/9672.75</td>
</tr>
<tr>
<td>Breaking Factor, ASTM D 882-98, (lbs/in)</td>
<td>26.72/24.49</td>
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<tr>
<td>Tearing strength, ASTM D 1922-94A, (Grams)</td>
<td>90.67/80.00</td>
</tr>
<tr>
<td>Puncture Resistance, ASTM D 3420-95-B, (Joules)</td>
<td>0.16</td>
</tr>
</tbody>
</table>

Machine Direction / Cross Direction

**PACKAGING AND STORAGE**

Custom sizes and constructions available upon request, in both a 37 lbs (16.8 kg) and 60 lbs (27.2 kg) /3000sq. ft. (279 sq. m.) paper.

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**FOR INDUSTRIAL USE ONLY**

**KEEP OUT OF REACH OF CHILDREN**

**KEEP CONTAINER TIGHTLY SEALED**

**NOT FOR INTERNAL CONSUMPTION**

**CONSULT SAFETY DATA SHEET FOR MORE INFORMATION**

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**LIMITED WARRANTY**

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.

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