CorShield® VpCI®-146
Corrosion Inhibiting Paper Powered by Nano VpCI® Technology

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.

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.

APPLICATION

Cortec® CorShield® VpCI®-146 paper can be used to protect products for storage and shipment in a wide variety of ways: single item packaging or interleaving, end closures for shipping tubes, insert strips for recessed areas in large packages, and as sheet liners or separators between products.

Other typical applications are:

- Metal production: coils, wire reels, plate, bar, etc.
- Metal forging and die casting: raw and machined forgings and castings.
- Metalworking: stamping, sheet metal work, springs, bearings, fasteners, tubes, pipes, nails, etc.
- Finished products: engines, machinery, equipment, tools, hardware, appliances, instruments, motors, etc.
- Electrical and electronic components, controls, etc.

Products should be packaged as soon after cleaning as possible, after being 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.

METALS PROTECTED

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

**FOR INDUSTRIAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CONTAINER TIGHTLY CLOSED**  
**NOT FOR INTERNAL CONSUMPTION**  
**CONSULT SAFETY DATA SHEET FOR MORE INFORMATION**

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### SIZES

<table>
<thead>
<tr>
<th>Standard Sizes, 35 lb/3000 ft² (57 g/m²)</th>
<th>Property</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roll Stock</td>
<td>Basis Weight</td>
<td>lbs/3000 ft² (g/m²)</td>
<td>35 ± 1.5 (57 ± 2.5)</td>
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<tr>
<td>Sheets</td>
<td>Caliper</td>
<td>Mils (μm)</td>
<td>4.0 ± 0.2 (100 ± 5)</td>
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<tr>
<td>Perforated Rolls</td>
<td>Tear Strength</td>
<td>gms</td>
<td>CD* 50 ± 5</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>MD* 70 ± 10</td>
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<tr>
<td></td>
<td>Tensile Strength</td>
<td>lb/in (N/mm)</td>
<td>23 (4)</td>
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<tr>
<td></td>
<td>Burst Strength (Mullen Test)</td>
<td>Psi (kPa)</td>
<td>20 (138)</td>
</tr>
</tbody>
</table>

*CD = Cross Direction  
**MD = Machine Direction

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**TYPICAL PROPERTIES**

**PACKAGING AND 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.

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