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**Attention: Editor**  
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**PRESS RELEASE**



## **Need Corrosion Protection + Recyclable Moisture Barrier? Go Plastic-Free with EcoShield® VpCI®-144!**

Sometimes, VCI papers need an extra barrier against moisture. Normally, this would be provided through the use of a polyethylene coating. Unfortunately, the use of this plastic-based moisture barrier creates an environmental problem as the resulting paper cannot be recycled through normal channels. Once again, Cortec® overcomes this challenge with its EcoShield® VpCI®-144 Barrier Paper that combines corrosion protection with a moisture barrier in one recyclable paper.



### **One Paper—Multiple Benefits**

EcoShield® VpCI®-144 Barrier Paper is coated with Vapor phase Corrosion Inhibitors on one side and a recyclable moisture barrier on the other. This adds an extra dimension to basic VpCI® Technology, whereby Vapor phase Corrosion Inhibitors diffuse out of the paper coating and form a protective molecular layer on

ferrous or non-ferrous metals wrapped inside the paper. Because this dry protective method replaces the use of greasy or oily rust preventatives, the metal parts typically do not need to be cleaned prior to use or surface finishing applications. In some cases, an additional barrier is beneficial to provide extra protection for moisture sensitive parts or to enhance the durability of the paper in an elevated moisture (e.g., high humidity) environment. The user can get all these benefits in one step, simply by packaging metal parts in EcoShield® VpCI®-144 Barrier Paper.



### Welcome to the ‘Circular Economy’



As mentioned, EcoShield® VpCI®-144 Barrier Paper offers these features in the form of a recyclable barrier paper that is an example of the “circular economy” in action. As mentioned, EcoShield® VpCI®-144 Barrier Paper can be recycled and repulped into other products after use, thus continuing its useful lifecycle and cutting down on plastic waste. However, EcoShield® VpCI®-144 also demonstrates sustainability at the beginning of its lifecycle as a USDA Certified Biobased Product. Sourced as it is from responsibly maintained renewable forestry products, EcoShield® VpCI®-144 contains 69% USDA certified biobased content. It is also a qualified product under the mandatory federal purchasing initiative of the USDA BioPreferred® Program.\* This makes it ideal as a corrosion inhibiting packaging material for federal agencies and their contractors who have minimum biobased content requirements when purchasing from certain product categories. A further advantage for both workers and the environment is that EcoShield® VpCI®-144 does not contain nitrites, phosphates, silicones, chromates, heavy metals, or other hazardous products.

### Make the Most of EcoShield® VpCI®-144 Barrier Paper

So, what are the best ways to take advantage of EcoShield® VpCI®-144 benefits? The possibilities are endless and open to the creativity of the user. For example, there are many ways to apply EcoShield® VpCI®-144 in addition to the standard practice of wrapping it around the metal part (VpCI® side in, moisture barrier out), folding the edges together, and taping the paper in place. As long as the VpCI® will be trapped inside an enclosed space, EcoShield® VpCI®-



144 can also be used as end closures for shipping tubes and sheet liners or separators between products.

There are also countless industries and products for which it can be used:

- 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, etc.
- Finished products: engines, machinery, equipment, tools, hardware, appliances, instruments, motors, etc.
- Electricals and electronics: components, controls, PCBs, etc.

EcoShield® VpCI®-144 is effective against aggressive environments including humidity, SO<sub>2</sub>, and H<sub>2</sub>S. It is only necessary to stock this one type of paper in order to protect many different metals:

- Carbon steel
- Stainless steel
- Galvanized steel
- Cast iron
- Aluminum alloys
- Copper
- Brass (≤30% Zn)
- Solder



For anyone who wants corrosion protection, moisture resistance, and sustainability all in one paper, EcoShield® VpCI®-144 is an easy and effective way to go plastic-free! Contact Cortec® today to learn more:

<https://www.cortecvci.com/contact-us/>

\*For more information about the BioPreferred® Program, go to <http://www.biopreferred.gov>.

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Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified. Cortec Website: <http://www.cortecvci.com> Phone: 1-800-426-7832 FAX: (651) 429-1122