

Editorial Contact:
Cortec® Advertising Agency:

Jeni Duddeck
(651) 429-1100 Ext. 1114

jduddeck@cortecvci.com

Company Contact:
Cortec® Corporation

Julie Holmquist
(651) 429-1100 Ext. 1194

jholmquist@cortecvci.com

Technical Contact:
Cortec® Corporation

Ben Voight
(651) 429-1100 Ext. 1174

bvoight@cortecvci.com



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PRESS RELEASE



Bio-Pad®: Another Way to ‘Go Green’ with Cortec® Corrosion Solutions

Cortec® provides many creative and practical ways to protect metals from corrosion and do so with a lower environmental impact. One of these ways is Bio-Pad®, a thin, flexible corrosion inhibiting device made from biobased non-woven material. The Bio-Pad® is infused with a high concentration of Vapor phase Corrosion Inhibitors throughout the substrate. These VpCI® corrosion inhibitors provide corrosion protection to metals not in direct contact with the pad. They vaporize and disperse throughout an enclosed space, such as a package or the insides of a metal vessel. When the VpCI® molecules reach equilibrium, they are attracted to and form an invisible protective molecular layer on the metal surfaces.



The Bio-Pad® is easy to use simply by placing the correct sizes and number of Bio-Pads into the enclosure based on the volume of space needing protection. Parts protected with Bio-Pad® are always ready to use, with no degreasing or coating removal required, since the VpCI® protective layer evaporates after the metal

is taken out of the package or the enclosure is opened. Bio-Pad[®] does not take much space and significantly reduces the amount of material used for similar polyurethane foam VCI (Vapor Corrosion Inhibitor) emitting devices, making it a popular alternative for those with a sustainable mindset. Bio-Pad[®] is free of nitrates and chromates and provides protection for ferrous and non-ferrous metals:

- Aluminum
- Brass
- Copper
- Galvanized Steel
- Zinc



The following case histories show two of the many ways Bio-Pad[®] can be used.



A [gear manufacturer](#) was having in-process corrosion issues. They invited Cortec[®] to analyze the manufacturing process and suggest a solution. In addition to covering process racks and bins of gears with VpCI[®]-126 CorrCaps, which were easy to put on and take off, Cortec[®] recommended adding Bio-Pads where an extra dose of VpCI[®] chemistry would be needed inside the bins for longer protection periods. The customer was very satisfied with the solution, which is also a good example

of how Bio-Pad[®] can be synergistically used with VpCI[®]-126 film packaging.

Another interesting use for Bio-Pad[®] was [internal protection of 54 vessels/tanks](#) being assembled in Italy and shipped to the USA for use in an LNG production project. After the tanks were assembled, cleaned, and externally sandblasted and painted, Bio-Pads were placed inside the tanks to prepare them for overseas export. Bio-Pad[®] was dosed at a rate of one square meter (11 ft²) for every 4.5 cubic meters (159 ft³) of volume needing protection. This provided an



environmentally responsible method of corrosion protection that would be easy to remove without leaving any residue behind.

Learn more about this unique flexible Vapor phase Corrosion Inhibitor device here:

<https://www.cortecvci.com/Publications/PDS/Biopad.pdf>.



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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