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PRESS RELEASE



Corrosorber®: An Economical Way to Absorb Corrosive Gases Before They Attack

Hydrogen sulfide (H₂S), volatile mercaptans, and other corrosive gases can lead to early failure on instrumentation and electricals in a variety of industries. One important means of protection is to capture these excess gases before they can fester and foster corrosion on sensitive components. Cortec® offers an economical solution to the problem in the form of Corrosorber®—an easy to install capsule that scavenges corrosive gases out of the air.

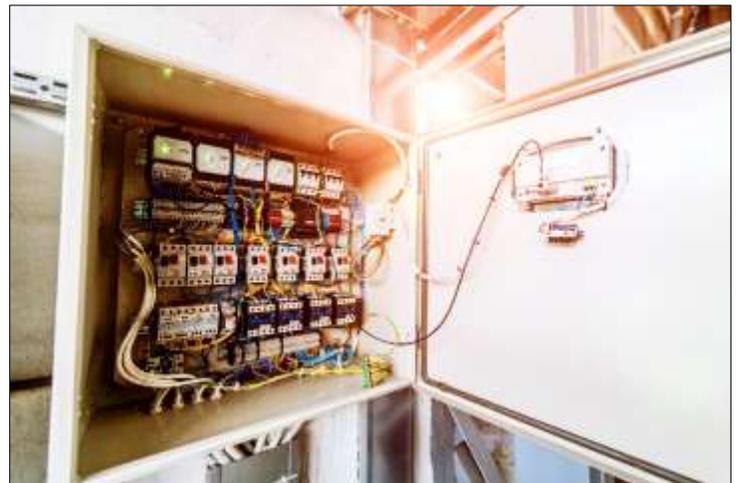
Corrosorber® is a small plastic cup 2.3 inches (5.8 cm) in diameter and 1.27 inches (3.2 cm) tall filled with absorptive material. A self-adhesive backing allows for quick and easy application wherever there is space inside an electrical or instrumentation box. The cup is covered with a breathable membrane through which corrosive gases flow into the cup. Unlike other products on the market, Corrosorber® will not release the corrosive gases back into the atmosphere. As the corrosive gases



are absorbed, the chemicals inside Corrosorber[®] change color from off-white to black. Thus, the user knows it is time to replace the cup when it looks gray from the outside.

There are numerous industries that stand to benefit from Corrosorber[®]. One of the first that comes to mind is wastewater treatment, where H₂S is a natural byproduct of anaerobic conditions. Paper mills also generate high levels of H₂S and mercaptans during pulp processing. Petrochemical plants or those handling natural gas or sulfurous crude oil are other common victims of corrosive gases. These facilities are excellent candidates to install Corrosorber[®] in the following applications:

- Fuse boxes
- Power boxes
- Electric motors
- Switching equipment
- Telecommunications equipment
- Remote electronics devices
- Electrical wireways
- Terminal boxes
- Other electricals and instrumentation



Corrosorber[®] can be used alone or in conjunction with Cortec[®] VpCI[®]-105 or 111 Emitters to maximize corrosion protection, first by the removal of gases and second by the formation of a protective VpCI[®] molecular layer on the metal.



One wastewater treatment facility in the Midwestern USA is a perfect example of the problems faced in a corrosive sewer environment and how they can be solved. The facility experienced recurring corrosion on HMI electronics panels throughout the city, with one or two HMI failures every six months. Replacements cost \$15,000-\$40,000 apiece plus downtime. In April 2019, the department began taking steps to mitigate corrosion on HMIs by minimizing air flow in the panels (to keep out corrosive gases and keep in protective VpCI[®] molecules), applying ElectriCorr[™] VpCI[®]-239 to powered-down panels, and

sticking one Corrosorber[®] and one VpCI[®]-111 Emitter inside each cabinet. One year later, there had been no HMI failures, saving the city wastewater department tens of thousands of dollars at less than one percent of the cost of HMI replacement.

In environments like this where corrosive gases are elevated, Corrosorber[®] is an excellent way to trap the excess and reduce the corrosiveness of the atmosphere. Economical and quick to install, Corrosorber[®] cups are a must-have for facilities that need to minimize the impact of H₂S and other corrosive gases on sensitive electricals, electronics, and instrumentation. Contact Cortec[®] today to develop a practical H₂S and corrosion mitigation plan for your site:

<https://www.cortecvci.com/>

Learn more about Corrosorber[®] here:

<https://www.cortecvci.com/Publications/PDS/Corrosorber.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