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PRODUCT RELEASE



Cortec® Adds Extra VpCI® Protection to Time-Proven Corrosion Inhibiting Coating!

Cortec's time-proven VpCI®-368 coating has just become more powerful with the addition of extra Vapor phase Corrosion Inhibitors! Already, VpCI®-368 provides excellent protection to metal substrates exposed to harsh outdoor conditions. The dark brown viscous liquid dries into a firm moisture-displacing wax-like film that can be removed by mineral spirits or alkaline cleaners such as Cortec® VpCI®-414. The film can be used for a variety of applications where heavy-duty corrosion protection is needed:

- Pipe coating
- Parts storage
- Underbody coating
- Wire rope
- Steel plate
- Machined parts



VpCI®-368 has an extensive record of use for mothballing and layup of equipment, protection of shipments, and preservation of spares.



Coated pieces after 600 hours in ASTM B-117 salt fog testing; VpCI®-368 on the left, black paint on the right.

Now, VpCI®-368 EVP (Extra Vapor Protection) is also available for application in complex, sealed spaces where a greater concentration of vapor inhibitor is beneficial. The extra dose of Cortec® VpCI® vaporizes from the coating, fills the enclosed space, and adsorbs on difficult-to-reach surfaces. This is helpful on applications such as pipe internals where it is challenging to thoroughly cover all metal substrates.

VpCI®-368 EVP coating is flexible and offers excellent outdoor protection that is much easier to handle and remove than traditional wax-based coatings commonly used in military and similar applications. VpCI®-368 EVP is UV resistant and passes 900-1500 hours of ASTM B-117 intense salt spray testing applied at 2-3 mils on carbon steel. It also provides multi-metal protection on stainless steel, copper, aluminum, and cast iron. The cured film is heat stable up to 392°F (200°C) and is commercially equivalent to MIL-PRF-16173E (Grades 1 and 2). It can be applied by spray or brush.



Cortec's VpCI®-368 EVP can be used for a variety of applications where heavy-duty corrosion protection is needed.

VpCI®-368 EVP is classified as NATO 6850-66-132-5848, NATO 6850-66-132-6099, NSN 8030-00-062-6950, NSN 8030-00-231-2345, NSN 8030-00-244-1300, and NSN 8030-01-470-2601.

Cortec's VpCI®-368 EVP conforms to the following test methods: ASTM D-1735 (Water Fog Cabinet), ASTM D-1748 (Humidity Cabinet), ASTM B-117 (Salt Fog Cabinet), ASTM D3690 (VOC), ASTM D522 (Flexibility), MIL-PRF-16173E (Grade 2), NACE (Minimum Surface Preparation Guideline), NACE RP0487-2000 (Selection of Rust Preventives), and SSPC (Minimum Surface Preparation Guideline).



MICRO-CORROSION INHIBITING COATINGS POWERED BY NANO VPI®

VpCI®-368 / VpCI®-368 EVP

TYPICAL APPLICATIONS

- Pipe coating
- Parts storage
- Underbody coating
- Wire rope
- Steel plate
- Machined parts

METALS PROTECTED

- Carbon Steel
- Stainless Steel
- Copper
- Aluminum
- Cast Iron

PROTECTION PROPERTIES

	ASTM	DFT	Carbon Steel (1010)
Salt Spray	B-117	2-3 mils (50-75 microns)	900-1500 hr
Fuhsion	G-85	4-7 mils (100-175 microns)	2000 hr
Humidity	D-1748	2-3 mils (50-75 microns)	2500+ hr

APPLICATION

VpCI®-368 may be applied by brushing or spraying. A film thickness of at least 2-3 mils (50-75 microns) is recommended for uncovered outdoor storage.

Surface Preparation:

NACE	SSPC	ARS
3 or 4	6 or 7	High B-2

Product Cleanup:

- Use solvents or mineral spirits for cleanup of equipment.
- Solvent, wax strippers, or alkaline cleaners such as VpCI®-414 can be used for clean up of overspray.

FEATURES

- Flexible
- Excellent salt spray protection
- Excellent outdoor protection
- Multisided protection
- Excellent UV resistance
- Moisture displacing
- Cured film is heat stable up to 392°F (200°C)
- Commercial equivalent to MIL-PRF-16173E (Grades 1 and 2)
- NATO 6850-66-132-5848
- NATO 6850-66-132-6099
- NSN 8030-00-062-6950
- NSN 8030-00-231-2345
- NSN 8030-00-244-1300
- NSN 8030-01-470-2601

PRODUCT DESCRIPTION

VpCI®-368 is a time-proven coating that provides excellent protection to metal substrates exposed to harsh outdoor conditions. VpCI®-368 leaves a firm, wax-like film that can be removed by mineral spirits or alkaline cleaners such as Cortec® VpCI®-414.

VpCI®-368EVP is available for applications in complex, sealed spaces where a greater concentration of vapor inhibitor would be needed.

CORTEC CORPORATION
Innovative Corrosion Control Technologies

To learn more about Cortec's VpCI®-368 EVP, please visit:

http://www.cortecvci.com/Publications/PDS/VpCI-368-VpCI-368_EVP.pdf

To find out more about Cortec's innovative coating solutions, please visit:

<http://corteccoatings.com/>

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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.

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