

Editorial Contact:
Cortec® Advertising Agency:

Shannon Garrow
(651) 429-1100 Ext. 128

sgarrow@cortecvci.com

Company Contact:
Cortec® Corporation

Cliff Cracauer
(651) 429-1100 Ext. 181

ccracauer@cortecvci.com

Technical Contact:
Cortec® Corporation

Casey Heurung
(651) 429-1100 Ext. 147

cheurung@cortecvci.com



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PRESS RELEASE



Cortec’s “VpCI® Technology For Transportation and Municipalities” – Sustaining The Heartbeat Of Your City!

Cortec’s latest brochure addresses corrosion in two critical sectors of today’s global economy: transportation and municipalities. High costs and safety issues are at stake when corrosion is allowed to eat away at structurally deficient bridges or left unchecked in city utility systems. Corrosion is especially harmful in harsh coastal environments exposed to humidity and salt spray or in winter climates where corrosive deicing salts must be used.

Municipality and transportation officials in charge of maintaining a well-functioning and safe infrastructure will likely face the high costs of repair or replacement on the one hand while bearing the responsibility of protecting their constituents on the other. This brochure



offers environmentally friendly, easy-to-use solutions for cost-effective corrosion prevention and treatment.

Cortec® provides unique patented Vapor phase Corrosion Inhibition (VpCI®) that:

- Saves costly time and labor
- Protects the environment
- Offers complete package solutions
- Disperses in water, oils, solvents
- Formulates easily
- Protects multi-metals
- Remains compatible with biocides
- Can be used in process industries
- Comes in multifunctional products
- Does not alter emulsion properties
- Protects against SCC (Stress Corrosion Cracking) and HE (Hydrogen Embrittlement)
- Requires little or no surface preparation
- Prevents further corrosion of ferrous surfaces
- Often does not require removal prior to processing or use
- Does not interfere with operation of mechanical components



PROTECT TRANSPORTATION AND MUNICIPALITIES
Corrosion costs the transportation industry billions of dollars. It is an especially significant problem for airports, highways, ports, railways, or municipalities located in harsh coastal conditions or severe winter climates. Deteriorated infrastructure and equipment are expensive to replace and pose safety hazards—as in the case of rusting train cars, or structurally deficient bridges. These costs and hazards can be significantly decreased or eliminated through effective corrosion prevention and treatment. Cortec's capability offers environmentally friendly, highly efficient, cost-effective, and easy-to-use Vapor phase Corrosion protection for municipalities and transportation applications.

PROTECT THE ENVIRONMENT
Vapor phase Corrosion Inhibitors (VpCI) and Migrating Corrosion Inhibitors (MCI) offer environmentally safe methods of treatment with low toxicity and low polluting effects. Unlike corrosion inhibiting systems of the past, many Cortec® products do not contain chromates or other heavy metals, nitrates, or chlorinated hydrocarbons. Cortec® VpCI and MCI help turn the tables on corrosion. With the support of our corrosion scientists, engineers, and testing facility, Cortec® can provide simple, environmentally friendly solutions to corrosion problems.

PROTECT CONTINUOUSLY
VpCI and MCI can be applied at multiple points forming continuous chemical bonds over metal surfaces. If the protective layer is scratched away, new VpCI molecules will migrate in to re-saturate the VpCI shield. The ability of Cortec VpCI technology to protect in the liquid phase, vapor phase, and interface allows VpCI molecules to travel through different media for more effective and uninterrupted protection. For example, VpCI injected into a water system immediately goes to work on pipe-walled or soaked surfaces and also protect metal above the water level. MCI can be added directly into new concrete mixtures or applied to hardened concrete surfaces, migrating in to protect embedded rebar at both the anode and cathode.

Cortec® has patented VpCI® solutions for transportation corrosion on land, sea, and air. From protecting rail crossings and train sole bars, to airplanes and floating dock gates, Cortec's rust removers, coatings, vehicle washes, emitters, and powders safeguard your valuable transportation assets from multiple angles. Cortec's innovative Migrating Corrosion Inhibitor (MCI®) products are especially effective at protecting reinforced concrete from rebar corrosion on bridges and in parking ramps. Even metal shipments under transport can benefit from Cortec's VpCI® packaging solutions that dramatically diminish rust claims.



treatment, and repair mortars. Several have received NSF Standard 61 approval for potable water applications, and at least one has approval from multiple DOTs. A number of products in the buyer's guide also bear the USDA Certified Biobased Product label, demonstrating Cortec's commitment to developing environmentally friendly products.

The corrosion needs of transportation and municipalities are extensive, but so are Cortec's innovative corrosion solutions. This brochure shows the potential of VpCI® and MCI® technology to minimize corrosion in a wide variety of areas with the goal of lowering maintenance costs, extending service life, and keeping the public safer.

Find out more about Cortec's exciting new brochure here:

[http://www.cortecvci.com/Publications/Brochures/Transportation Municipality Brochure.pdf](http://www.cortecvci.com/Publications/Brochures/Transportation_Municipality_Brochure.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