

CORTEC Vision

September 2022



ANNIVERSARY

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Back Together in Time for Cortec's 45th Anniversary



It was a pleasure to reunite with many of you this summer for our first World Sales Meeting (WSM) since October 2019! In spite of lingering pandemic effects that made it difficult for some of you to join us, we were happy to still be able to welcome 63 guests representing 17 countries to our June 15th-17th gathering. The two-and-a-half-day event at the Saint Paul Hotel near Cortec® World Headquarters in Minnesota included a wealth of educational, networking, and fun team-building activities that underscored the benefit and enjoyment of being together in person again. It also commemorated a milestone year with the approach of Cortec® Corporation's 45th anniversary in October 2022!



WSM 2022 cont.

Day one (Wednesday, June 15th) of Cortec® WSM 2022 featured an international meeting and welcome reception. A highlight of our main Thursday morning session (day two) was the presentation of industry and global sales awards honoring outstanding partners in our network. After an elegant luncheon served nearby at the Historic Landmark Center, we were treated to industry case histories, followed by a stimulating panel discussion between three industry experts: Lucas Kerley (Technical Advisor at Shell), Behzad Bavarian (Professor at California State University, Northridge), and Matthew Sherman (PE, Principal at Simpson, Gumpertz, and Heger, Inc.). The day was capped off with fun and food at the Minnesota Science Museum, complete



Congrats to our 2022 World Sales Meeting Award Winners!



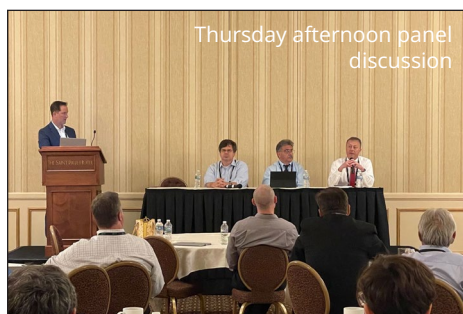
WSM 2022 cont.

with hands-on exhibits and group photo time in front of the T-Rex before heading up the musical stairs to dinner, a toast, and beautiful views of the Mississippi River. Friday (day three) wrapped up the event with a schedule chock-full of informative seminars and invaluable networking at the Saint Paul Hotel, followed by a pleasant evening riverboat cruise and dinner on the St. Croix River outside of historic downtown Stillwater.

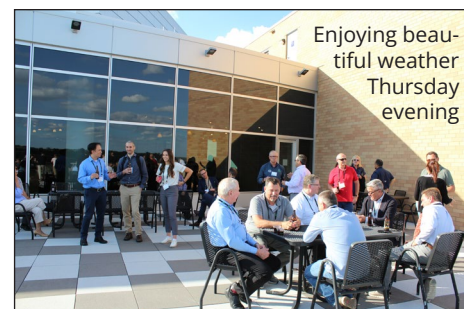
We are so thankful for those who took the extra effort to come from near or far to make this event a success as we recover from the pandemic and celebrate our 45th anniversary year! We look forward to seeing even more of you at the next Cortec® WSM!



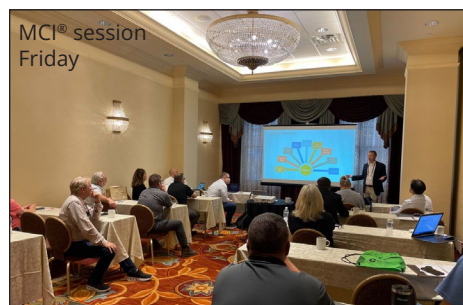
Beautiful view of Mississippi River from Science Museum deck



Thursday afternoon panel discussion



Enjoying beautiful weather Thursday evening



MCI® session Friday



Friday evening on the St. Croix River



OUT AND ABOUT

Catching Up After Lost Time at ACI Spring Convention

March 27th-31st found Jessi Meyer (VP of Technical and Product Sales) and Lisa Marston (Regional Technical Service Engineer) in Orlando, Florida, for the first face-to-face ACI (American Concrete Institute) event since the pandemic started! Between the two of them, Jessi and Lisa were able to attend a Women in ACI reception; network with a variety of people from academia, engineering, forensics, and manufacturing; and attend committee meetings on climate change and sustainability, corrosion of metals in concrete, chemical admixtures, durability, and service life. Jessi is part of the 212 Chemical Admixtures Committee and contributed directly to that meeting herself. Another highlight of the ACI convention was the awards given for 50-year members, one of whom was our distributor Joe Solomon from Specialty Construction Products in Winnipeg, Manitoba. All in all, the ACI Spring Convention was a great time to be back together, learn, grow, and push forward to new MCI® and concrete achievements for the future!

Left: Jessi Meyer; right: Lisa Marston.



Celebrating 30 Years of U.S.-Croatia Commerce at AmCham!

AmCham (American Chamber of Commerce in Croatia) hosted an executive lunch with U.S. Under Secretary of Commerce, Ms. Marisa Lago, April 4th in Zagreb. Ivana Radic Borsic (VP Sales, Europe) attended the lunch on behalf of Cortec® to hear more about current U.S. Administration priorities for U.S. companies doing business in Croatia.

The event also marked the celebration of 30 years of diplomatic relations between the U.S. and Croatia. Ms. Lago shared that during this time, trade between the U.S. and Croatia has grown by a factor of 10 and now represents almost an even exchange between the two countries. She also noted that in 2020, almost a tenth of Croatian GDP was supported by companies with U.S. ties.

Cortec® has played an important role in U.S.-Croatian commerce development over the last 30 years, from hosting the Croatian consulate to establishing a sister-city relationship between Cambridge, Minnesota, and Beli Manastir, Croatia. Cortec® has also contributed to the initiation of the Minnesota—Croatia National Guard Partnership and NATO's Partnership for Peace project. It is exciting to see how investments like these are bringing results now and will continue to have an impact in the future!

Getting Down to Business at ICRI Spring Convention

Two Regional Sales Managers (RSMs) and one Regional Tech Service Engineer made a strong MCI® trio at the April 4th-6th ICRI (International Concrete Repair Institute) Spring Convention in Baltimore, Maryland. As RSM for East Coast MCI®, Kevin



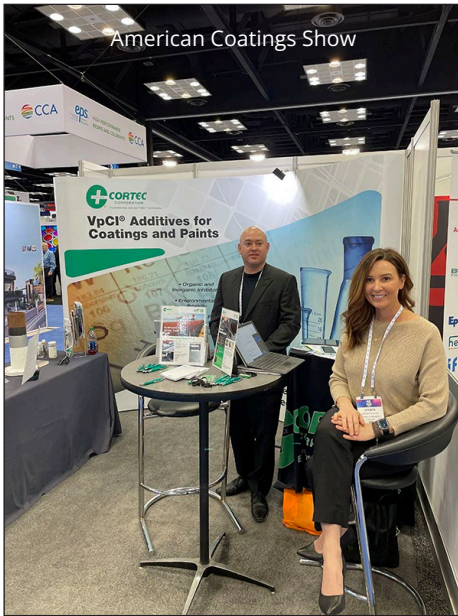
Left to right: Ivana at AmCham lunch with Ana Milas (Director of Business Development for Serengetitech) and Nada Buric (Croatian journalist).

Quan especially found it a great opportunity to network with engineers, contractors, and distributors in the region. On the more technical side, Lisa Marston (Tech Service Engineer) participated in the 160 Life Cycle and Sustainability committee and also attended the 510 Corrosion committee and Women in ICRI committee meetings. She noticed that the topic of tools to predict service life of existing structures during the repair phase came up frequently, and she believes this will be a topic of future discussion as current models are only for new construction.

Always Something to Learn at American Coatings Show

The American Coatings Show (ACS), April 5th-7th in Indianapolis, Indiana, was a great time for our team to learn, network, and grow with others from the coatings industry and beyond. Attendees ranged from CEOs to college students ready to absorb as much info as possible, from current and potential customers to raw material

OUT AND ABOUT cont.



suppliers and transportation companies. Our staff had the pleasure of speaking with visitors from around the world and learning about new materials and perspectives. It was especially fun to have some attendees stop by and say someone specifically told them to find Cortec®!

Metal Casting Corrosion Meets Its Match at CastEXPO

Corrosion met its match April 23rd-26th at CastEXPO 2022 in Columbus, Ohio, as Cortec® brought its VpCI® corrosion solutions to the largest North American metal casting industry event for the first time. Our expert staff included Anthony Price (Regional Sales Manager), whose knowledge of the casting process from design to pouring made it especially easy and exciting for him to connect with the foundry/casting engineers and process managers in attendance. Mike Gabor (VP Sales, Eastern North America) and Jessica Carpenter (Regional Sales Manager) were also able to share a wealth of relevant knowledge from years of solving corrosion problems in the automotive and other related industries.

Bionetix® Sees Clear Shift Toward Probiotic Cleaners at ISSA Amsterdam

ISSA Amsterdam, May 10th-13th, was a great window into the world of cleaning technology trends for our subsidiary Bionetix® International. Our team of six from the U.S., Canada, Italy, and Croatia saw an obvious shift toward more environmentally friendly cleaners, with a strong interest in the probiotics that Bionetix® sells. In addition to building positive connections with international guests, thanks to our combined stock of six languages, our team was also able to gain exposure to new field research that broadened our understanding of probiotic cleaning technology and will help inform future business activities.

Looking Forward to the Next Canadian Concrete Expo!

The Canadian Concrete Expo (CCE) on May 18th-19th was yet another “first” in over two years since a forced pandemic break. Ash Hasania (MCI® Technical Sales & Market Manager) found it to be a good event with many relevant audiences for networking. Among these, Ash was able to connect with two Canadian MCI® distributors—Ontario-based Form and Build (who was also exhibiting) and Atlantic-based Arrow—and was able to talk with two different ready-mix companies. Ash also encountered Giatec, a company that sup-

plies some of our corrosion testing devices. Capping off the event, Ash attended a technical session on carbon cure, which encouraged reducing carbon footprint by adding recycled CO₂ to fresh concrete. After a good time had, Ash is already looking forward to the next CCE in February!

MCI® Adds Many ‘Chapter’ Events to Its Story

Attending local ICRI (International Concrete Repair Institute) chapter events throughout North America is a great way to meet with partners and industry clients in your area while enjoying some recreation. This spring and summer, our MCI® Team has been able to take advantage of the renewed burst of post-pandemic-lockdown activities by making the rounds to a variety of ICRI events! Here’s a glimpse of what they’ve been able to attend:

- ICRI member roundtable and luncheon for ICRI Pittsburgh Chapter, March 22nd
- TopGolf networking event with Delaware Valley ICRI, March 30th
- ICRI Spring Annual Convention, April 4th-6th
- First Michigan Chapter ICRI Demo Day since 2019, April 22nd
- Annual symposium on “The Crucial Roles Fasteners Play in Restoration” with ICRI Metro NY Chapter, April 28th
- Night at the Ballpark (and technical sessions) with ICRI Carolinas



OUT AND ABOUT cont.

Chapter, May 5th-6th

- Quarterly dinner meeting, bowling, and guest speaker Dr. Mehdi Shokouhian (structural/material researcher) with Baltimore/Washington DC ICRI, May 12th
- Clay shooting networking event with ICRI Delaware Valley Chapter, June 10th
- ICRI social event to discuss industry trends with Michigan Chapter (Ash Hasania nominated to be chapter delegate), July 14th
- Terry Babcock Memorial Golf Outing with Minnesota ICRI Chapter, July 19th
- Concrete plant tour with NYC Chapter of ACI (American Concrete Institute), August 17th

Great Day of Knowledge Sharing at Malaysia NACE FMS Product Showcase!

The NACE FMS Product Showcase 2022 on June 16th was a great opportunity for Cortec® Southeast Asia (SEA) and local distributor Hextar Kimia to build brand awareness and spread the word on Vapor phase Corrosion Inhibitor Technology in Kuala Lumpur, Malaysia. The June 16th event brought together engineers, supervisors, and maintenance managers who are constantly on the lookout for creative and proven solutions to existing corrosion problems in the oil and gas industry. Corrosion



and inspection departments from major oil and gas companies such as Exxon Mobil, Shell, and Petronas were among those attending. In addition to gaining an understanding of different solutions, trends, and new technologies on the market, Vincent Ong, Sr. Manager of Technical Sales at Cortec® SEA, gave a presentation focused on site optimization using Cortec's inventory preservation program. Special thanks to Cortec® SEA and Hextar Kimia for their efforts!

Seaside Weathering Research in Progress at CorteCros® Facility

The CorteCros® plant in Split, Croatia, is currently hosting a coatings weathering station for a joint research project between the University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Laboratory of Materials Protection in Croatia, and the Luoyang Ship Material Research Institute (LSMRI) in China. The experiment station is testing various organic and novel metallic coatings,



including a group of Cortec® water-based acrylic coatings and a group of Cortec® solvent-based coatings.

The purpose of the test (begun July 13th) is to compare corrosivity and environmental effects, evaluate corrosion resistance of the coatings, and ultimately find answers for better corrosion protection of industrial facilities and infrastructure in both countries. This particular weathering station is close to the Adriatic Sea, just a few meters from Kastela Bay, combining a typical Mediterranean environment with industrial pollution from the neighboring cement plant. An important part of the test is monitoring how long it takes for corrosion to appear.

Grand Opening of Pelješac Bridge

July 26th marked the grand opening of the Pelješac Bridge, an important link for the country of Croatia and one of the most demanding bridge projects in the world. As part of the strategy to help it achieve a 130-year service life in a harsh sea environment, the Pelješac Bridge has been treated with MCI®-2018 on its substructure. The silane component provides water repellency and Migrating Corrosion Inhibitors penetrate into the concrete to provide corrosion protection from existing water and chloride ions. As a Croatian-American businessman, Cortec® CEO, Boris Miksic, takes special pride in seeing MCI® Technology used in this historic project to con-



Pelješac Bridge image (left) courtesy of CRBC.

OUT AND ABOUT cont.

nect two parts of his home country. Learn more about the bridge in Case History 746: https://www.cortec-casehistories.com/?s2member_file_download=access-s2member-level1/ch746.pdf

Networking with Civil Engineers in Croatia

Ivana Liposcak (MCI® Technical Sales Manager Europe) attended the International Fair of Construction, Furnishing and Environmental Protection on September 9th-10th on the eastern shore of Lake Budek in Croatia. This was the first time that the Society of Civil Engineers Zagreb (DGIZ) included the construction fair in its sixth DGIZ Open Days event. Ivana had the opportunity to host an MCI® booth and give a presentation on the topic, "Lifetime and preservation of bridges – use of technology of migrating corrosion inhibitors in concrete." She received a very positive response from the engineers (mostly civil engineers) who attended the presentation. Overall, the fair was a great opportunity to discuss current and future projects/opportunities in Croatia and network with a variety of construction, engineering, and building materials firms, as well as university faculty and the Austrian Chamber of Commerce!



COMPANY NEWS

New Product Development Chemist



Colin Gardner joined the team at Cortec® Laboratories on March 7th. As our new Product Development Chemist, Colin will support us in the maintenance of current chemistry formulations and the development of new technologies, particularly in our

line of Migrating Corrosion Inhibitors (MCI®) for concrete. Colin has a B.S. in Chemistry and has spent seven years in the fields of heterogeneous catalysis and metal finishing/electrodeposition. He finds enjoyment in understanding the underlying chemistry of the corrosion problems we face and developing new technologies to combat them.

A Familiar Face Returns as Technical Sales and Product Manager



We are pleased to welcome back Eric Uutala, now in the role of Technical Sales and Product Manager! Eric started as a Technical Service Engineer at Cortec® in 2006 after receiving a B.S. degree in Biology with a minor in Chemistry from the University of Minnesota Duluth. By 2013, he had become the Technical Service Manager. With the formation of CGSI (Cortec® Global Services, Inc.), he was transferred into the role of Technical Director. He worked as a Product Chemistry Consultant on a major

oil and gas preservation project in South Korea from November 2017 to February 2018, followed by working at the project office outside of London from March 2018 to March 2020. As of April 29th, 2022, Eric has now returned to Cortec® World Headquarters in a new role that focuses on sales and product management for asset preservation and CorroLogic® products.

New Cortec® HR Director Prioritizes Effective Communication and Best Practices

Please join us in welcoming Lisa Wagner as our new Director of Human Resources (HR) at Cortec® Corporation! Lisa came on board May 2nd to

COMPANY NEWS cont.

take responsibility for Human Resource Management at all Cortec® North America plants in the U.S. and Canada (Bionetix®). Lisa brings with her a wealth of educational and business experience to support operations at Cortec®.

In addition to her Bachelor of Science in HR Management (with a minor in Psychology) and MBA degrees, Lisa has 20 years of experience in general business management, with a focus on Human Resource Management for 15 of those years. A key part of her management philosophy is a strong emphasis on effective communication. Lisa will have an important impact on employees and customers alike, as she helps develop and ensure compliance with best practices both within HR and the company as a whole. She will be part of our team of directors developing organizational level strategies to guide Cortec® forward.



Cortec® Names New Chief Operations Officer!

On September 13th, we officially announced the promotion of our Director of Manufacturing, Caleb Pheneger, to the position of Chief Operations Officer (COO). In his new role, Pheneger will be extending his support for projects and operations to Cortec's Canadian subsidiary Bionetix®, in addition to his manufacturing oversight of five Cortec® Corporation plants in the United States.



"Caleb's excellent overall performance is what motivated me to promote him to the position of Chief Operations Officer (COO)," commented Boris Miksic, Cortec® founder and CEO. "He is one of the most talented chemical engineers I have worked with during my 50 years in the specialty chemical industry manufacturing space, with good

understanding of chemical processing, polymer compounding, extrusion, paper-coating technology, and organic synthesis."

We are excited to start this new chapter as Caleb guides Cortec®/Bionetix® production teams on the path toward continual improvement and better support in the corrosion control and cleanup industries!

PRODUCT NEWS

EcoCortec® Releases 3D Hoods with ESD/VpCI® Protection

In April, Cortec's European plant EcoCortec® announced the launch of EcoSonic® ESD 3D Hoods powered by Nano VpCI®. EcoCortec® reports that these high-tech hoods combine world famous VpCI® Technology with antistatic properties to protect metal parts from all types of corrosion. Learn more: <https://www.cortecpackaging.com/new-high-tech-packaging-solution-for-corrosion-protection-ecosonic-esd-3d-hoods-powered-by-nano-vpci/>

CorrVerter® Wins Concrete Contractor Top Products Award

In April, *Concrete Contractor* magazine announced its 2022 *Concrete Contractor* Top Products awards. Among these was CorrVerter® MCI® Rust Primer, our single component, fast-drying water-based primer that converts rusted surfaces to a passive layer through a unique formulation of chelating agents combined with a high solids waterborne latex with extremely low water vapor permeability. CorrVerter® MCI® Rust Primer makes life easier for contractors performing concrete repairs by providing an alternative to grinding and abrasive blasting of rusty rebar. *Concrete Contractor* uses these awards to recognize innovative industry products that have captured the attention of construction professionals who read their magazine or website. Learn more: <https://www.cortecmci.com/corrverter-mci-rust-primer-wins-concrete-contractor-2022-top-product-award/>

PRODUCT NEWS cont.

New Doors of Opportunity for Heat Shrink Tunnels

A new custom version of VpCI®-126 Shrink Film has been developed for a company trying to package industrial equipment oil filters in their automated heat seal tunnel. Corrosion protection was needed during overseas shipment, but the generic VCI bags being used would not seal correctly, requiring frequent reruns and creating significant waste. Since normal VpCI®-126 Shrink Film would have been too bulky to run through the automated heat-seal line, Cortec® produced a custom version of VpCI®-126 Shrink Film tubing that was compatible with the automatic equipment. The trial run went beautifully—the bags remained sealed and the customer did not have to stop the packaging equipment until there were no more oil filters to bag. The film sealed quickly and easily, with the option of shrink-wrapping if desired. As a result of the successful trial, the customer decided to adopt VpCI®-126 Shrink Film for all of its VCI film packaging needs. Learn more: <https://www.cortecpackaging.com/custom-vci-shrink-film-opens-new-doors-of-opportunity-for-metals-packaging-in-automated-heat-shrink-tunnels/>



Probiotic Cleaner for Garbage Disposal Maintenance

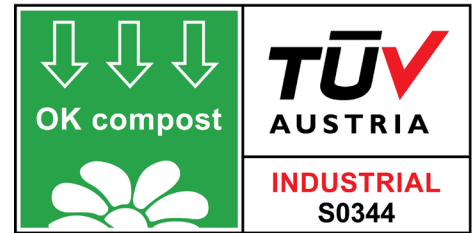


In June, our subsidiary Bionetix® released ECO-DISPOSAL™, a new foaming garbage disposal cleaner and freshener with probiotics. These probiotics wake up when in contact with water and start digesting organic waste. After the initial treatment, the probiotics cling to the garbage disposal and drain walls for ongoing long-term waste digestion and garbage disposal maintenance benefits. By continuing to digest organic residue, ECO-DISPOSAL™ helps combat drain clogging and garbage disposal odors, likely reducing garbage disposal cleaning frequency. Learn more: <https://www.cortecvci.com/news-alert-bionetix-releases-probiotic-cleaner-for-garbage-disposal-maintenance/>

Seven New 'OK Compost INDUSTRIAL' Certificates!

This spring was an exciting time for those of us engaged in "greener" film and bag development, with a number of our compostable film formulations receiving 'OK Compost Industrial' certifications from TÜV Austria. These awards certify that the following films* meet the EN 13432 standard (equivalent to ASTM D6400) for compostability in a commercial composting environment:

- [Eco-Corr Film®](#) - TÜV Certified, April 25th



- [Eco Film®](#) (Bags and Film)—TÜV Certified May 16th
- [Eco Works® 10](#) (Bags and Film)—TÜV Certified May 16th
- [Eco Works® 45](#) (Film)—TÜV Certified May 16th
- [EcoShrink™](#) (Film) —TÜV Certified May 16th

One great example of Cortec® commercially compostable film in action comes from a small business whose mission is to reduce plastic packaging for hair and body care products. Their personal hygiene products take the form of artistically designed soap-like bars shaped in molds. While the company succeeded in replacing plastic bottles by creating these attractive handheld bars, some plastic film is still utilized to line the molds during manufacturing. Workers sometimes had trouble with their previous plastic wrap sticking to the hygiene bars. Interestingly, when they tried Eco Works® 10 as a substitute, there was no problem with sticking. The Eco Works® 10 could also be used multiple times, reducing material waste!

New Improved MCI®-2039 Horizontal Concrete Repair Mortar!

MCI®-2039 is a single-component, fast-setting, high-strength, cement-based repair mortar enhanced with Migrating Corrosion Inhibitors (MCI®). These inhibitors form a molecular protective layer on the surfaces of rebar, increasing the quality and extending the service life of the repair and surrounding structure. Once ap-

**These products are intended to be composted in a commercial composting facility operated in accordance with best management practices. Check locally to see if such a facility exists in your community and if they will accept these products. Not suitable for backyard composting.*

PRODUCT NEWS cont.

plied and hardened, MCI®-2039 provides a high level of adhesion and durability, as well as resistance to water and carbonation attack. High early strength allows for fast repairs and quick return of traffic. MCI®-2039 can be applied indoors or outdoors in a wide temperature range, from 20 to 100 °F (-6 to 38 °C). The mortar can be extended up to 60% by weight for repairs greater than 2" (51 mm) deep. Learn more: <https://www.cortecmci.com/press-release-cortec-launches-new-improved-mci-2039-horizontal-concrete-repair-mortar/>

Remove Stains Easily with ECO STAIN-OFF™

In July, our biotechnology subsidiary Bionetix® introduced ECO STAIN-OFF™, a biological-based stain remover that works on a variety of fabrics, textiles, and hard surfaces. It contains naturally-derived free enzymes and probiotics that attack and digest stains. It is especially effective on enzymatic stains such as blood, grass, milk, chocolate, and chocolate milk. It is also great for cleaning other soils and stains such as wine, food, dirt, greases, oils, and tomato sauces. Learn more: <https://www.bionetix-international.com/news-alert-remove-stains-easily-with-eco-stain-off-natural-stain-remover/>

New MCI® DOT Approvals!

Cortec® is excited to announce eight new DOT approvals for MCI® Technology in North America! In the U.S., seven more state DOTs have added MCI®-2005 NS to their list of approved concrete admixtures. In Quebec, Canada, MCI®-2018 has been approved for DOT use in addition to previously approved MCI®-2000. Twenty-one states/provinces now have DOT approvals for MCI® in

State/Province DOT	Approved MCI® Products
California	MCI®-2005 NS
Colorado	MCI®-2005 NS
Idaho	MCI®-2000, MCI®-2005, MCI®-2020
Iowa	MCI®-2005 NS
Kentucky	MCI®-2000, MCI®-2005, MCI®-2005 NS
Maine	MCI®-2005 NS
Massachusetts	MCI®-2005 NS
Minnesota	MCI®-2005 AL, MCI®-2005 NS
Ohio	MCI®-2005, MCI®-2005 NS
Pennsylvania	MCI®-2005 NS
South Carolina	MCI®-2000, MCI®-2005, MCI®-2005 NS, MCI®-2006 NS
Arizona	MCI®-2005 NS (New approval!)
Kansas	MCI®-2005 NS (New approval!)
Louisiana	MCI®-2005 NS (New approval!)
Mississippi	MCI®-2005 NS (New approval!)
Montana	MCI®-2005 NS (New approval!)
Oklahoma	MCI®-2005 NS (New approval!)
Tennessee	MCI®-2005 NS (New approval!)
British Columbia	MCI®-2005, MCI®-2006
Ontario	MCI®-2000, MCI®-2005 AL, MCI®-2005 NS
Quebec	MCI®-2000, MCI®-2018 (New approval!)

one or multiple forms. See the chart above for a full listing.

Brand-New VCI Film Formula with 30% Post-Consumer Recycled Content!

In August we announced the release of our latest VCI film and bag technology: CorShield® VpCI®-220E! The new formula not only offers improved corrosion protection but also includes 30% post-consumer recycled content. This is a milestone "circular economy" achievement that meets the [U.S. Plastics Pact goal](#) of reaching an average 30% recycled or biobased content in plastic packaging by 2025. In the EU, this [target is set for the year 2030](#). Cortec® is on the leading edge of making this circular economy goal come true ahead of time in a specialty packaging format, no less! With CorShield® VpCI®-220E Films and Bags, industrial users have a better opportunity than ever to

ing by 2025. In the EU, this [target is set for the year 2030](#). Cortec® is on the leading edge of making this circular economy goal come true ahead of time in a specialty packaging format, no less! With CorShield® VpCI®-220E Films and Bags, industrial users have a better opportunity than ever to



PRODUCT NEWS cont.

safeguard their valuable metal assets in responsibly sourced VCI plastic packaging. Learn more: <https://www.cortecpackaging.com/press-release-cortec-achieves-30-post-consumer-recycled-content-in-brand-new-vci-film-and-bag-formula/>

Simplify Layup of High-Pressure Steam Boilers

In the power generation system, it is especially true that time equals money. Cortec® seeks to help plant operators minimize downtime by protecting against boiler corrosion and enabling faster return to service after layup.

One of the latest products to do so is VpCI®-648 FO (ferrous-only) for wet layup of high-pressure steam systems. VpCI®-648 FO removes the yellow metal component of a corrosion inhibitor water treatment for low-conductivity or high purity water/steam systems. Since high-pressure steam systems do not include yellow metals, VpCI®-648 FO is ideal for wet layup of boilers with high steam purity and feedwater quality requirements.

A ferrous-only version of the Boiler Dragon (Boiler Dragon FO) is also available for dry layup of high-pressure steam systems. Both FO versions have fewer chemical residuals to be concerned about, which translates into a faster/easier return to service!



Learn more: <https://www.cortecwastertreatment.com/2022/09/09/news-alert-vpci-648-fo-simplifies-wet-layup-of-high-pressure-steam-boilers/>

New Probiotic Cleaner Reduces Plastic Waste

ECO-CLEAN-ALL TABS™ dissolve in water to create a liquid biological cleaning solution specifically designed to eliminate organic soils from a wide variety of surfaces including carpet, tile, flooring, fabric, and upholstery. This powerful combination of biodegradable surfactants and probiotics digests grease, oil, protein, fat, starch, and other solid organic wastes to maintain a clean, odor-free facility. Probiotics in ECO-CLEAN-ALL TABS™ keep working to ensure that



cleaning and odor removal continue long after the initial product application. A special benefit is that by designing a probiotic cleaner in tablet form, Bionetix® has significantly reduced the amount of plastic needed to package a biological concentrate or ready-to-use (RTU) cleaner. Learn more: <https://www.bionetix-international.com/news-alert-new-probiotic-cleaner-from-bionetix-international-reduces-plastic-waste/>

NEW VIDEOS

How to Apply VpCI® Emitters

Our new Emitter demo video shows three different examples of VpCI® Emitter application: in circuit breaker boxes, in control panels, and in equipment electrical enclosures. This is a great video to learn from yourself, share on social media, or send to a customer! Watch now: <https://www.youtube.com/watch?v=Tmj27qj3igw>



Mini Boiler Lizard® Demo Video

In less than half a minute, this accelerated timelapse shows how a mini Boiler Lizard® dissolves when added to water. The water-soluble pouch

NEW VIDEOS cont.

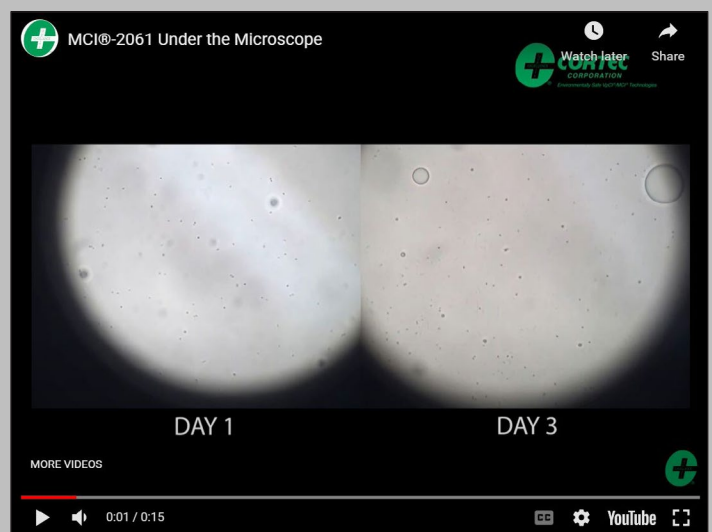
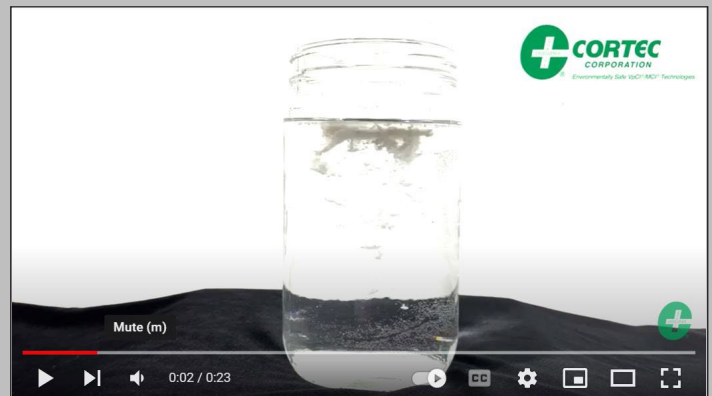
disintegrates and disappears, releasing the boiler corrosion inhibitor powder and allowing all—contents and pouch—to gradually dissolve in the water. This video is a great way to introduce others to the convenience and workings of the Boiler Lizard® at boiler refill/startup time! Watch now: <https://www.youtube.com/watch?v=gDgeYX3mo4w>

MCI®-2061 Under the Microscope!

A recent test demonstrated MC[®]-2061, a “green” cleaner for concrete oil stains, in action under the microscope. On the first day of the test, the microorganisms of MCI[®]-2061 were still dormant and spores could be seen under the microscope. By the third day, significant growth could be detected to the point that rod-shaped bacteria had formed. These long vegetative bacteria were a sign that conditions were especially favorable for digestion of hydrocarbons. Learn more and watch a quick video here: <https://www.cortecmci.com/16758-2/>

Automated Heat Seal Bagging with Custom VpCI®-126 Shrink Film

This video shows how beautifully a trial run of VpCI[®]-126 Shrink Film through an automated heat-seal line performed. Whereas previous generic VCI bags kept opening up and requiring packaging reruns, the custom VpCI[®]-126 Shrink Film sealed quickly and easily! Watch the heat-seal line in action: <https://www.youtube.com/shorts/7O79UJQX-e4>



UPCOMING EVENTS

ICRI Fall Convention
November 7th-9th, 2022
Atlanta, Georgia
www.icri.org



World of Concrete 2023
January 17th-19th, 2023
Las Vegas Convention Center
Las Vegas, NV
Booth # S10856
www.worldofconcrete.com



AMPP Annual Conference 2023
March 19th-23rd, 2023
Colorado Convention Center
Denver, Colorado
Booth # 1201
<https://ace.ampp.org/home>



Offshore Technology Conference
May 1st-4th, 2023
NRG Park
Houston, Texas, USA
Booth # 2603
<https://2023.otcnet.org/>



Cortec® Corporation



Quality Management System (ISO 9001 Certified)

World Class Product Offerings
An innovative producer of leading edge products.



World Class Customer Service
A positive, long-lasting impression through every link of our company.

World Class Environmental Commitment
Cortec® commits to continued development of processes and products that are useful, non-hazardous to the environment, and recyclable whenever possible.

An Ethical and Respectful Company Culture
Respect and treat our colleagues, customers, and vendors as we would our own family members.



Environmental Management System (ISO 14001 Certified)

Cortec's strong environmental concern is demonstrated in the design and manufacturing of products that protect materials of all kinds from environmental degradation. A strong commitment to produce recyclable products made from sustainable resources whenever possible has been and will be our future policy.



Laboratory Accreditation (ISO/IEC 17025)

Cortec® Laboratories, Inc. is the first lab in our industry that has received ISO/IEC 17025 Certification, which ensures quality in recording and reporting data, as well as calibrating equipment within the laboratory.



Keywords: compostable film, Cortec, MCI, Bionetix, corrosion inhibitors, VCI bags, corrosion control, corrosion problems, corrosion protection, biotechnology

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