



MIGRATING CORROSION INHIBITORS
FROM GREY TO GREEN

Newsletter

May 2009

Featuring:

*New MCI® logo and website -
Alcatraz -*

***New Product: MCI® Creteskin -
Product Application: MCI®-2061 & MCI®-309 -***



Letter from the President:

In this tough economy, I am proud to say that our Migrating Corrosion Inhibitor (MCI®) product line has continued to grow and expand. I want to take this opportunity to express my thanks and gratitude to those of you that have helped keep the line profitable and exceeding sales goals.

As you know, Cortec® prides itself on the abundance of literature and supporting material we have on our products. Over the past few months, the MCI® product line has been given a facelift. Our hope is to unify the MCI® brand and make it more appealing to our customers. We began with a new logo and color scheme that will be seen on all upcoming MCI® literature.

Our coined phrase, "From Grey to Green", represents our commitment towards a greener tomorrow. By making products that are derived from renewable resources, such as soy beans and sugar beets, Cortec® will continue to be a world leader in producing environmentally friendly products.

Cortec® has also unveiled its new and improved MCI® website (www.CortecMCI.com). This enhanced site provides resources that help our customers save time and money while preventing and treating corrosion. The updated and added content includes: new products, product data sheets, MSDS, specifications, and reports. Also offered is detailed information regarding select Department of Transportation (DOT) approvals, U.S. Green Building Council, and LEED information. Visitors can read and download published articles, papers, presentations, and technical information.

The branding continued with a fresh look for our MCI® CD-ROM. Based on the new website's design, the CD is easier to navigate and find exactly what you are looking for.



Boris Miksic Cortec® President and CEO



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www.CortecMCI.com



Alcatraz

Alcatraz Island is a small island located in the middle of the bay in San Francisco, California. It is the site of the infamous Alcatraz federal penitentiary; the first lighthouse and the first United States Military Fortification on the West Coast. Being surrounded by salt water and fog year round causes numerous corrosion issues for the current stewards of Alcatraz, The National Park Service (NPS). When the NPS noticed a potential hazard of loose concrete on the walls high above the open visitor area on the main prison building, they contacted Cortec® distributor, Integrated Packaging Solutions of San Jose, California, for solutions. Since funding was minimal and patching the areas is slated for a future project, the NPS chose to remove the hazardous concrete and apply MCI®-2020, which penetrated beneath the remaining concrete surface to slow the corrosion. The exposed rebar was then coated with CorrVerter® to chemically alter the iron oxide into magnetite; thus converting the rust and slowing further corrosion. This procedure also allowed treatment to a larger area with the available funds.



Main Prison Building



Alcatraz Island



Close-up of corrosion damage

NEW BROCHURE FOR REPRESENTATIVES/ DISTRIBUTORS

In order to streamline the introduction of our Representatives and/or Distributors, Cortec® has developed an introductory brochure that should be used as a handout/marketing tool to existing and potential customers. Each brochure will be personalized to the specific representative or distributor that will give a detailed description of Cortec® Corporation, its history, and its products, along with an introduction to your company. You can view a sample [here](#).

New Product: *Creteskin*

MCI® Creteskin was recently introduced around the world at World of Concrete 2009 in Las Vegas after having been used in Australia for over three years. A dozen MCI® representatives were on hand for a special workshop that explained the application process and test results of MCI® Creteskin. In case you haven't heard, MCI® Creteskin is an industrial strength release agent containing Cortec's Migrating Corrosion Inhibitors. When applied to concrete mixing trucks or forms, concrete can be easily rinsed off the surface with water instead of using harsh acids for removal. Testing in the Cortec® Laboratory showed that the 1 mil of MCI® Creteskin on carbon steel could withstand 168 hours of salt spray testing according to ASTM B-117, as well as over 500 hours of humidity testing according to ASTM D-1748. Also, a 30 hour spot test showed the coating could withstand a 10% HCl solution as well as a 5% caustic soda solution.

On January 16, 2009, General Resource Technologies (GRT) helped Cortec® with a trial application at River City Ready Mix in Lacrosse, Wisconsin. Angel Green, Cortec's Coating Chemist, applied MCI® Creteskin to the chassis, hub caps, and mixing shoot of a newly refurbished concrete mix truck. She used a Graco Finex HVLP spray gun with a L10 tip at 20-30 psi. Three thin coats were misted onto the truck totaling 2.5-5 wet film thickness with less than 10 minutes of dry time between coats. Evaluation of the truck surfaces compared to uncoated surfaces will take place this summer.



Before



After



Bottom left and right: Angel Green conducting Creteskin application to a mixing truck.

Application: *MCI®-2061*

MCI®-2061 is a powerful cleaner that safely and effectively cleans oil stains on concrete. This hard surface cleaner is unique because it combines powerful cleaning chemistry with microorganisms capable of biodegrading hydrocarbons, such as those found in oil, diesel, and other materials that stain concrete. MCI®-2061 is an environmentally friendly alternative that eliminates the need for harsh solvent-based and alkaline cleaners.



Garage floor doorway before the application of MCI®-2061.



Garage floor doorway 12 hours after cleaning; MCI®-2061 was applied to the right side

Application: *MCI®-309*

Recently, Cortec® has had successful applications of MCI®-309 Powder for Post Tensioning (PT) Cables. A recent application was conducted on the current rebuild of the Wacouta Bridge in South St. Paul, Minnesota. Once completed, it will be the widest bridge in Minnesota with regards to the number of lanes. Jessi Meyer and Matt Drew attended the primary application to take photos and video that will be used for training purposes.

Other applications of MCI®-309 include the Sunshine Skyway Bridge, San Francisco Bay Bridge, Des Plaines Bridge (Hoover Dam by-pass) and the Memorial Bridge in Croatia, and the Colorado Bridge (Hoover Dam By Pass)



Des Plaines River Bridge



A construction worker applying MCI®-309 Powder for Post Tensioning (PT) Cables to the Wacouta Bridge in South St. Paul, Minnesota.

ICRI

On April 22-24th, 2009, the International Concrete Repair Institute (ICRI) held its Spring Convention in Minneapolis at the downtown Hilton. Cortec® Corporation exhibited a table top booth along with several of our main competitors. As members of the host chapter, Jessi Meyer and Matt Drew were involved in planning some of the event, which highlighted Extreme Concrete Repair. The convention began with a tour of the new Minnesota Gophers' Stadium currently being built in Minneapolis. Cortec® attended several technical sessions during the week, including ICRI's newest addition, the Life Cycle Performance and Cost Committee. At the end of the week, several members took part in a dinner and a tour of the Mill City Museum in Minneapolis, which is built within the ruins of the Gold Medal Flour Mill located right next to the Mississippi River.



Gopher Stadium



Gold Medal Flour Mill

WOC 2009

Once again, Cortec® Corporation was well represented at World of Concrete, held February 3-6, 2009 at the Las Vegas Convention Center. With over 65,000 registered professionals, and more than 1,700 exhibiting companies, each day was consistently busy at our booth.

Fellow professional, Steve Mitchell of Qwikskin Pty Ltd in Australia, graced us with his presence and knowledge of Cortec's newest product, MCI® Creteskin. During a luncheon on February 4th, Steve spoke with several of Cortec's distributors, manufacturer's representatives, and technical sales staff about past and future applications of MCI® Creteskin. Steve also answered several technical questions and gave recommendations on selling techniques of this new product.



Steve Mitchell with Matt Drew



Right: Tim Rayburn, Steve Mitchell, Rae Jean Nicholl, Jim Harris, Left: Jeff Lucas



Left: Usama Jacir, Right: Steve Mitchell discussing a past project.

NPCA

The National Precast Concrete Association and the American Concrete Pipe Association sponsored the 2009 Precast Show in Houston, TX on February 19-21. Cortec® Corporation was one of nearly 300 exhibitors that participated in the three days of technical education and industry awards program - The Salute to Excellence. More than 2,900 manufacturers and suppliers attended the trade show providing another successful show.



Above: Jessi Meyer speaking to Randy Lindsay-Brisbin, NPCA Chairman of the Board at the 2009 Precast Show in Houston, TX

Infrastructure

According to the American Society for Civil Engineers (ASCE), the United States received a "D" grade with regards to our ever depleting infrastructures. More information can be found on their website:

www.infrastructurereportcard.org

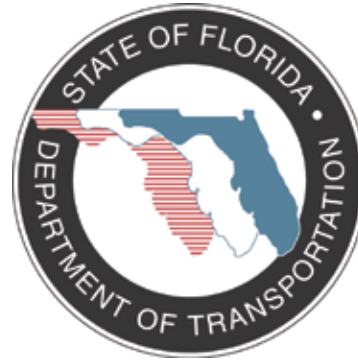
The newly instated American Recovery and Reinvestment Act of 2009 will, hopefully, resolve the issues that have caused such a low grade to be given to the United States. Over \$27 Billion has been allocated to provide critical repairs to our nation's crumbling roads and bridges. With this sudden investment into our infrastructure's future, the need for corrosion inhibitors will consequently rise.



Francis Scott Key Bridge

FL DOT

Cortec® is proud to announce that MCI®-2007 P has been accepted by the Florida Department of Transportation into its Qualified Products List for use on highways and bridges. We are viewing MCI®-2007 P as just the beginning to Cortec's success in Florida's Infrastructure.



USGBC

Cortec® has furthered its green initiatives by joining the U.S. Green Building Council (USGBC) and becoming more involved in the LEED® Green Building Rating System. The USGBC is a 501(c)(3) non profit that developed the LEED (Leadership in Energy and Environmental Design) Green Building Rating System. Several of Cortec's MCI® products can help projects to achieve LEED certification. Our sales and marketing departments have partnered in order to produce a new brochure directed towards MCI® and LEED.

<http://www.usgbc.org/>



'USGBC' and related logo is a trademark owned by the U.S. Green Building Council and is used by permission.

Upcoming events:

PTI Technical Conference and Exhibits - May 3-5, 2009
Portland, OR

ICRI (fall) - October 21-23, 2009
Tempe, AZ

ASBI - October 25-27, 2009
Minneapolis, MN

ACI (Fall) - November 8-12, 2009
New Orleans, LA

WOC 2010 - February 1-5, 2010
Las Vegas, NV

The Precast Show - February 19-21, 2010
Phoenix, AZ

www.CortecMCI.com • info@CortecVCI.com



4119 White Bear Parkway, St. Paul, MN 55110 USA
Phone (651) 429-1100, Fax (651) 429-1122
Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com

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