Editorial Contact: Ana Juraga ana.juraga@ecocortec.hr
Cortec® Europe Advertising Agency + 385 (0) 1 4854 595

Company Contact: Ivana Radic Borsic ivana@cortecvci.com
Cortec® Corporation: + 385(0) 31 705 011

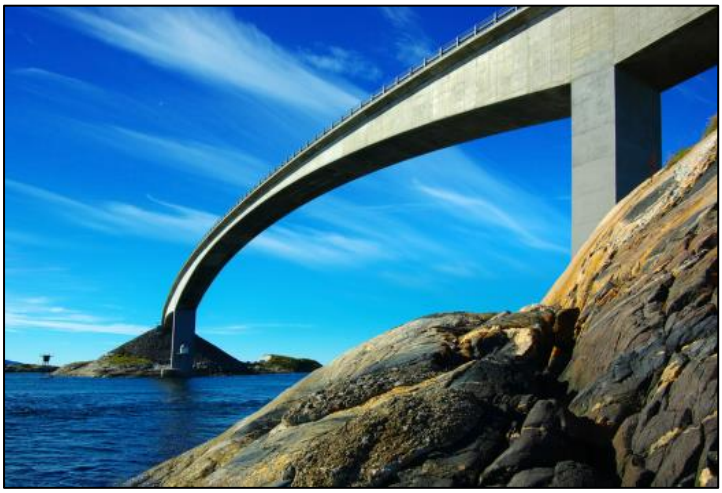
Attention: Editor

March 03, 2015

PRESS RELEASE

Extend the Service Life of Concrete Structures to a Maximum

With Powerful MCI® - 2020 Organic Corrosion Inhibitor!



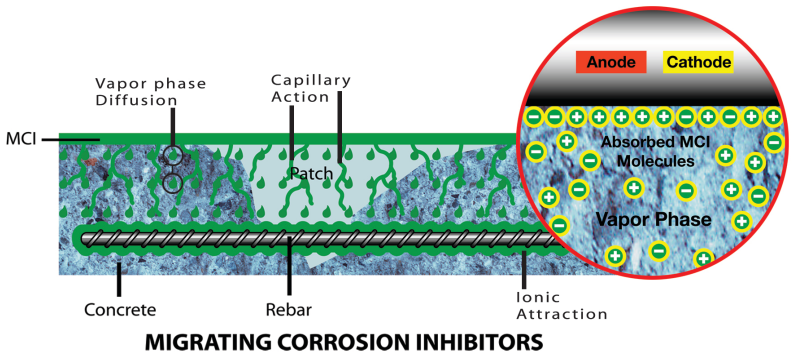
MCI® 2020 is organic, surface applied, migrating corrosion inhibitor designed to penetrate through cementitious materials including concrete, mortar, and limestone. It migrates in both liquid and vapor (gas) phases through the pore structure, forming a protective, molecular layer on embedded reinforcement and allowing vapor diffusion. MCI® 2020 provides strong corrosion protection against carbonation, chlorides, and other contaminants and will migrate independent of orientation (horizontal, vertical or overhead up to 8 cm (3 inches) in 30 days.



Water based, non-flammable MCI® 2020 offers engineers, owners, contractors, DOTs, and other government agencies a time proven, corrosion inhibiting technology that will significantly extend the service life of their reinforced concrete structures. MCI® 2020 can be applied to new concrete or used for rehabilitation and will not delay construction or increase costs. Unlike standard inorganic inhibitors it does not have to come in contact

with the reinforcing steel upon application. MCI® 2020 is considered ambiodic (mixed) which means it protects both anodic and cathodic areas within a corrosion cell. It contains a synergistic blend of amino-alcohols and salts of carboxylic acids which form a protective layer on embedded reinforcement delaying the onset of corrosion as well as reducing existing corrosion rates.





MIGRATING CORROSION INHIBITORS

MCI® 2020 is recommended for: preventative maintenance of existing reinforced, precast, prestressed, post-tensioned, or marine concrete structures , bridges, highways, and industrial floors exposed to aggressive environments (chemicals, deicing salts, carbonation, atmospheric attack), parking garages, concrete piers, dams, offshore platforms, piles, pillars, pipes, utility poles, cooling towers and concrete potable water structures. It is also an important component of Cortec®'s High Performance Repair System™ (HPRS®).



MCI® 2020 is easily applied by spray, brush, or roller and does not etch, stain, discolor, or otherwise harm glass, metals, or automotive paint. It does not contain calcium nitrite or wax and no removal of sound concrete is required. It's excellent performance is proven in both lab and field testing.

MCI® 2020 conforms to ASTM G 109, ASTM E 96, meets ANSI/NSF Standard 61 Approval for structures containing potable water and is RoHS compliant.

MCI® 2020 was chosen for renovation of Pentagon and has won International Concrete Repair Institute Award for the best repair project.





World's largest building Pentagon in Washington DC

Corrosion of embedded reinforcing steel was causing spalling on the walls of Pentagon. Carbonation on the walls lowered the pH of the concrete causing the corrosion. The requirements included: a minimum 20 year design life, stop water absorption, reduce or stop corrosion, and maintain the appearance of the walls. The repair program consisted of 18600 m^2 (200,000 ft^2) of surface hand patch repair and over 92903 m^2 (1,000,000 ft^2) treated with MCI® 2020 V/O, and a silicate based coating. MCI® 2020 V/O was chosen to protect and repair the walls based on its warranty and its fulfillment of the other specified repair design requirements. MCI® 2020 enabled Pentagon building premium repair, rehabilitation, and protection for the next 50 years.

MCI® MIGRATING CORROSION INHIBITORS FROM GREY TO GREEN

QUALITY EXCELLENCE®

CORTEC CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

Need a High-Resolution Photo? Please Visit: www.cortecadvertising.com

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