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

Technical Contact: Blazenko Maric blazenko.maric@ecocortec.hr
Cortec® Corporation: +385 (91) 524 4009

Attention: Editor

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PRESS RELEASE

MCI® CORROSION INHIBITORS: NATURE HELPS EXTEND THE SERVICE LIFE OF CONCRETE STRUCTURES!

Cortec's Migrating Corrosion Inhibitors MCI® corrosion inhibitors are growing to become the industry standard for achieving concrete structures with prolonged service life.

Extreme salinity, temperature and humidity are prevalent in the Middle East environment. This poses a challenge for engineers designing structures with increasing service life.

MCI® corrosion inhibitors are becoming the technology of choice to achieve this goal. MCI® corrosion inhibitors have demonstrated effectiveness in lab testing as well as field monitoring. MCI® admixtures are dosed at low levels to provide corrosion protection with negligible effect on concrete properties. Having an affinity to steel, MCI® molecules migrate towards steel reinforcement forming a monomolecular layer that passivates the surface. A key advantage of the technology is its effectiveness even in cracked concrete.

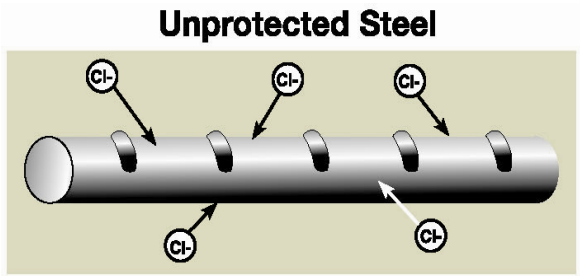
Burj Khalifa in Dubai, UAE, the tallest manmade structure in the world, at 829.8 m. Cortec's MCI® 2005 was incorporated in the concrete mix design for the podium structure. It provided superior corrosion protection to metallic reinforcement in concrete structures as well as extendend the durability of concrete.

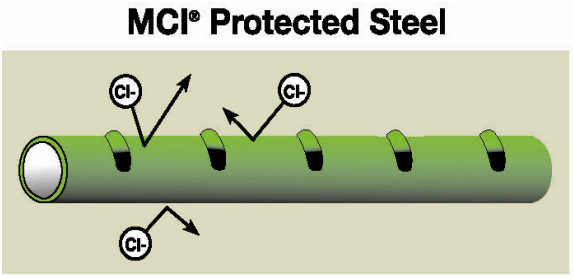
MCI® product range for repair applications includes surface-applied, injectable and powder products that are effective at extending the service-life of old structures.

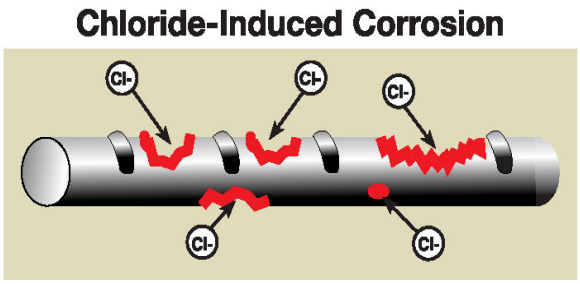
MCI® corrosion inhibitors are based on amine carboxylate chemistry that is USDA-certified to be biobased. It is a sustainable technology derived from renewable natural resources.

MCI® products have been used on many of the region's most prestigious structures to include Burj Khalifa.

To support its growth in the region, Cortec established its regional office in the United Arab Emirates earlier this year with support offices in Saudi Arabia and Jordan. Specialists are available to support and guide engineers in the corrosion protection of their assets and structures.







The corrosive effects of carbonation and chlorides cause a breakdown of the natural passivating protection of steel. When MCI® comes in contact with steel it forms a protective layer. This layer has been measured (using X-ray Photoelectron Spectroscopy —XPS) to be between 20 and 100Å thick at the molecular level.

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