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Attention: Editor

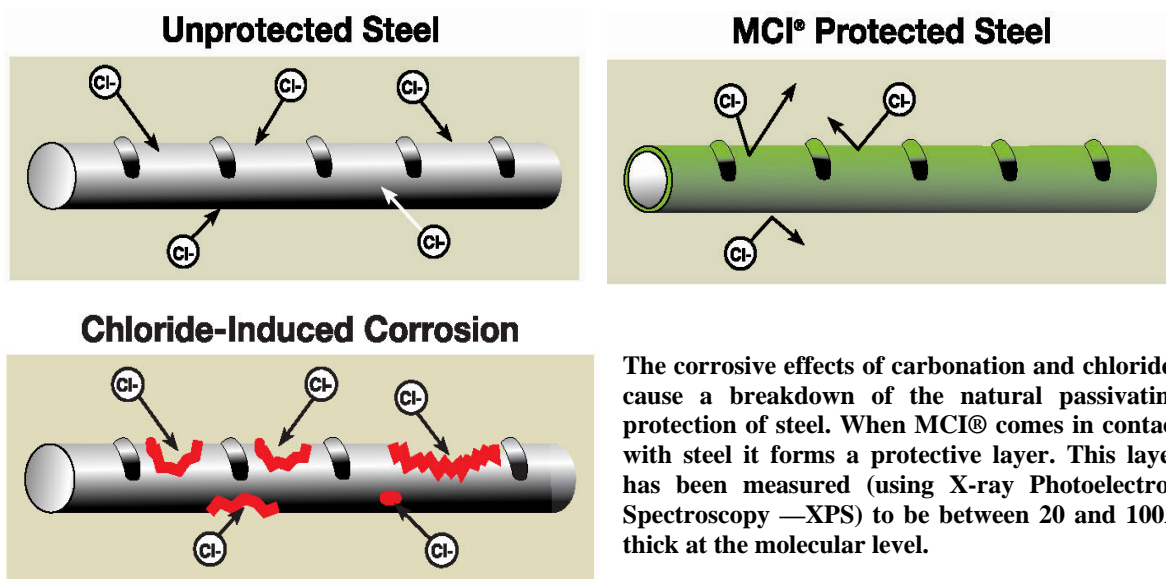
January 19, 2012

PRESS RELEASE



New Admixture Technology to Extend Durability of Concrete!

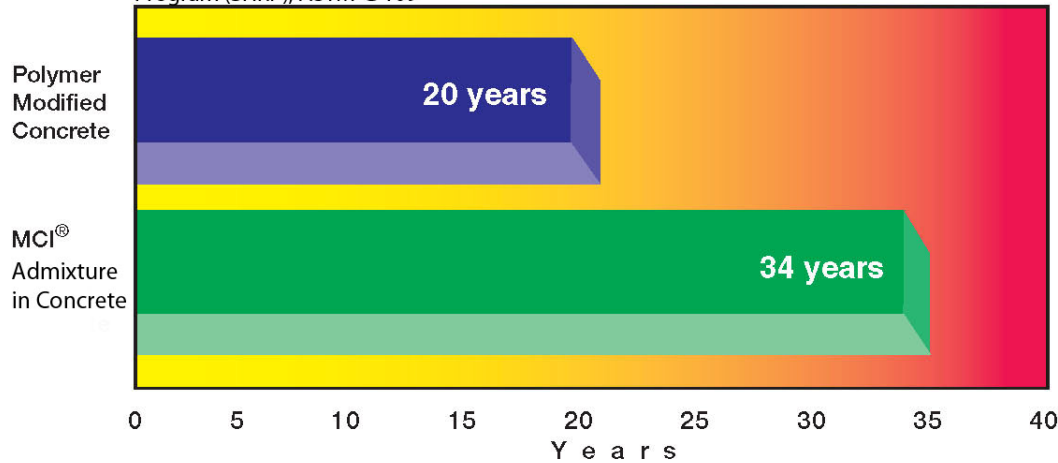
Corroding rebar in deteriorating concrete is often the cause of costly repairs, financial losses, injuries and deaths, but Cortec® has a corrosion solution called MCI®2005. It is a water-based corrosion inhibiting, concrete admixture. MCI®2005 provides protection to metallic reinforcement in concrete structures. This organic admixture protects carbon steel, galvanized steel and other metals embedded in concrete from corrosion induced by: carbonation, chloride, atmospheric attack and other corrosive contaminants.



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.

A unique feature of MCI®2005 is that it can migrate a considerable distance through concrete, forming a corrosion inhibiting protective layer on metals. It maintains structural integrity and extends the service life of concrete structures while being environmentally friendly

Predicted Service Life of Bridge Decks per studies performed by Strategic Highway Research Program (SHRP), ASTM-G 109



MCI®2005 is ambiodic (mixed), meaning it protects both anodic and cathodic areas within a corrosion cell. It contains a synergistic blend of aminoalcohols and salts of carboxylic acids which form a protective molecular layer on embedded reinforcement, protecting against corrosion even in the densest concrete. MCI®2005 has been used in numerous applications worldwide including Princess Tower, Dubai – the world’s tallest residential building, construction of a new drinking water reservoir in Guayaquil City, Ecuador as well as 829.84 m tall Burj Khalifa Tower- the world’s tallest building ever built, whose construction used 330,000 m³ of concrete. After a thorough review of multiple technologies MCI®2005 was chosen to be incorporated in the concrete mix design to extend the service life of the buildings, which are exposed to airborne salts and harsh groundwater conditions.

Immersion In Seawater



Without MCI®

With MCI®

This corrosion inhibiting admixture is environmentally friendly, non-toxic, non-flammable and is bio-based (produced from sugar beets, a renewable resource). It does not contain any nitrites and will not adversely affect any physical properties of the concrete mix. It is lab and field tested worldwide. MCI®2005 conforms to ASTM G109 - Standard Test Method for Determining Effects of Chemical Admixtures on Corrosion of Embedded Steel Reinforcement in Concrete Exposed to Chloride Environments and has approval to meet NSF Standard 61 approved for potable water applications.

We are pleased to invite you to visit Cortec booth #S10354 at Industry's only annual international event: 'World of Concrete' - dedicated to commercial concrete and masonry construction industries. The event will be held from January 24, 2012 until January 27, 2012. in Las Vegas, NV. Looking forward to meeting you in Las Vegas.!

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Cortec® Corporation is a world 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 Certified.