

# Construction Forum

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## **New Product Releases**

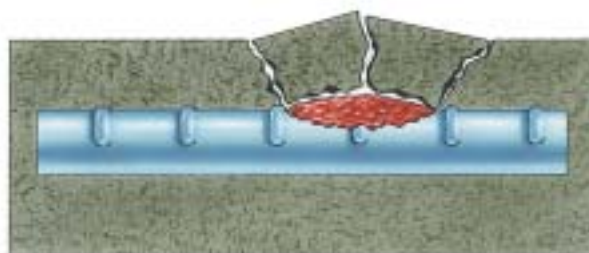
### **New Admixture Extends Service Life of Steel Reinforced Concrete Buildings**

A primary reason for premature maintenance and demolition of concrete structures is corrosion of embedded steel reinforcing. Exposure to corrosive environments, such as locations near salt water and treatments with de-icing salts, causes constant and aggressive corrosive attack to concrete structures. Cortec® patented MCI® 2005 NS provides a proven solution that retards the corrosion rate of steel reinforcement and assures the planned life expectancy of a concrete structure.

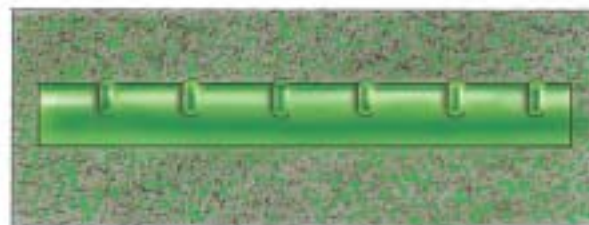
MCI-2005 NS is a unique liquid that blends easily during usual mixing of concrete at the central mix plant, transit truck drum, or portable mixer. The product does not affect concrete set times, air entrainment or strength. As a new generation admixture, the product is environmentally sound: non-toxic, non-flammable and fully biodegradable. No special safety or disposal precautions are required.

MCI-2005 NS provides universal protection for all types of steel reinforcing used in concrete. Utilizing Cortec's patented MCI® chemistries, the admixture provides corrosion protection to both anodic and cathodic areas of corrosion cell sites. Mixed in concrete, MCI-2005 NS is immediately effective in retarding corrosion by surrounding the steel reinforcing with a protective layer during concrete placement. Because MCI-2005NS is part of the original concrete, it provides the fastest and easiest method of fighting corrosive attack. Use of this admixture doubles the time to initiation of corrosion and reduces the corrosion rate up to five (5) times over the life the structure.

### **Unprotected Reinforcing Steel**



### **Reinforcing Steel Protected by Cortec MCI®**



### **Unprotected rebar vs. rebar protected with MCI®**

Many owners regret they did not investigate corrosion preventatives when the life of their concrete structure has been significantly reduced due to corrosion. Cortec MCI 2005 is a cost-effective approach for reducing corrosion and increasing structure service life.

### **Thick Bodied Topical Treatment Knocks Out Rebar Corrosion**

Cortec's MCI-2020 is now offered in a thick-bodied version especially for vertical surfaces and wind-exposed horizontal environments such as bridges. The patented MCI® Migrating Corrosion Inhibitor™ is applied to