

# MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE



## MCI®-2006



### PRODUCT DESCRIPTION

MCI®-2006 is a powder concrete admixture that protects steel reinforcing, carbon steel, galvanized steel and other metals embedded in concrete from corrosion induced by carbonation, chloride and atmospheric attack. MCI®-2006 protects with a time proven migratory inhibitor function. In addition, it contains a proven contact inhibitor. When incorporated into the concrete mix, Migrating Corrosion Inhibitors (MCI®) seek out and form a corrosion inhibiting protective layer on metals. When used with repair mortars and grouts, MCI®-2006 will migrate to undisturbed concrete providing effective corrosion protection to rebar already in place.

### WHERE TO USE

MCI®-2006 is recommended for:

- All reinforced, precast, prestressed, post tensioned or marine concrete structures.
- Steel-reinforced concrete bridges, highways and streets exposed to corrosive environments (carbonation, deicing salts and atmospheric attack).
- Parking decks, ramps and garages.
- All reinforced marine concrete structures.
- Concrete piers, piles, pillars, pipe and utility poles.
- Restoration and repair of all reinforced concrete commercial and civil engineered structures.

### ADVANTAGES

MCI®-2006 offers engineers, owners, contractors, DOTs and government agencies a time proven corrosion inhibiting technology that will extend the life of all reinforced concrete structures.

- Protects against the harmful effects of corrosion even in the densest concrete.
- Reduces the chloride ingress.
- Does not contain any calcium nitrite.
- Non-hazardous and non-toxic.
- Non-flammable.
- Organic, safe and environmentally friendly.
- Technology is lab and field tested worldwide.
- Concentrated for cost effectiveness on all projects.
- Protects both anodic and cathodic areas.
- Will migrate to adjacent areas to protect surrounding metals.
- NSF Standard 61 approved for potable water applications (certified by Underwriters Laboratories).

### TYPICAL PROPERTIES

Appearance	White to off-white powder
pH	5.5-6.5 (1% aqueous)

### DOSAGE

Added to the concrete mix at the rate of 1 pound per cubic yard (0.6 kg/cubic meter).

### APPLICATION

MCI®-2006 can be added to concrete at the ready-mix plant, directly to the ready-mix truck drum or to portable mixers. Concrete should be mixed thoroughly.

### LIMITATIONS

MCI®-2006 will act as a retarding admixture. It retards setting time up to four hours compared to a control. A non-chloride accelerator may be used to offset retardation.

### PACKAGING AND STORAGE

MCI®-2006 is available in 5 lbs. (2.3 kg), 50 lbs. (22.7 kg), and 100 lbs. (45.3 kg) packages. Store product in a cool dry place. Shelf life is 24 months in sealed container.



**FOR INDUSTRIAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CONTAINER TIGHTLY CLOSED**  
**NOT FOR INTERNAL CONSUMPTION**  
**CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION**

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