

# MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE



## MCI®-2002



### PRODUCT DESCRIPTION

MCI®-2002 is a slurry form of MCI®-2000 and has the added benefits of microsilica. It is a Migrating Corrosion Inhibitor (MCI®) 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. The submicron particles of microsilica will disperse in the spaces between the cement grains, yielding a dense microstructure with higher impermeability. When incorporated into the concrete mix, MCI®-2002 seeks out and forms a corrosion inhibiting protective layer on metals. When used with repair mortars and grouts, MCI®-2002 will migrate to undisturbed concrete, providing effective corrosion protection to rebars already in place.

### WHERE TO USE

MCI®-2002 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
- Concrete piers, piles, pillars, pipes and utility poles
- Restoration and repair of all reinforced concrete commercial and civil engineered structures

### ADVANTAGES

- 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
- Does not effect the physical properties of the concrete mix (air entrainment, set time, strength or slump)
- Required dosage is not effected by chloride concentration
- Does not contain calcium nitrite
- Organic, safe and environmentally friendly
- Thoroughly 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

## DOSAGE AND STORAGE

Add to concrete mix or repair mortars and grouts at 3-5 pints/yd<sup>3</sup> (1.5-2.5 L/m<sup>3</sup>). Store containers below 100°F (38°C) and away from heat or open flame.

## PACKAGING

MCI®-2002 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

## APPLICATION

MCI®-2002 can be added to concrete at the ready-mix plant, directly to the ready-mix truck drum, to portable mixers or directly into repair mortars. Mix concrete and mortars thoroughly.

## TYPICAL PROPERTIES

Appearance	Black viscous liquid
pH	10.5-11.5 (10% water)
Viscosity	15 cps at 73°F (23°C)
Non-volatile Content	41-50%
Flash Point	105°F (41°C)
Shelf Life	24 months in a sealed drum
Density/Specific gravity	9.9-10.0 lb/gal (1.19-1.20 kg/l)

## 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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Distributed by:

4119 White Bear Parkway, St. Paul, MN 55110 USA  
Phone (651) 429-1100, Fax (651) 429-1122  
Toll Free (800) 4-CORTEC, E-mail [info@cortecvci.com](mailto:info@cortecvci.com)  
Internet <http://www.CortecVpCI.com>

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