

MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE



MCI®-2001



PRODUCT DESCRIPTION

MCI®-2001 is a powdered form of MCI®-2000. 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. When incorporated into the concrete mix, MCI®-2001 seeks out and forms a corrosion inhibiting protective layer on metals. When used with repair mortars and grouts, MCI®-2001 will migrate to undisturbed concrete, providing effective corrosion protection to reinforcement already in place.

WHERE TO USE

MCI®-2001 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

Add to concrete mix or repair mortars and grouts at 1.5 lb/yd³ (0.90 kg/m³).

APPLICATION

MCI®-2001 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	White to green powder
pH	10.5-11.3 (10% water)
Non-volatile Content	45-55%
Flash Point	TCC 103°F (39°C) TOC 115°F (46°C)
Shelf Life	24 months in a sealed drum



PACKAGING AND STORAGE

MCI®-2001 is available in 5 lb (2.3 kg) boxes, 50 lb (23kg) and 100 lb (45 kg) drums. Keep containers tightly closed and away from heat.

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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