

# MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE



## MCI®-2020 IPA



### PRODUCT DESCRIPTION

MCI®-2020 IPA is an isopropanol based surface applied corrosion inhibitor designed to migrate through even the densest concrete structures and seek out the steel reinforcement bars in concrete. MCI®-2020 IPA also protects a multitude of metals including carbon steel, galvanized steel and aluminum. The unique feature of Migrating Corrosion Inhibitors (MCI®) is that if not in direct contact with metals, the inhibitor will migrate a considerable distance through concrete to provide protection. MCI®-2020 IPA will stop further corrosion of reinforcing metals and extend the service life of the structure.

### WHERE TO USE

MCI®-2020 IPA 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
- Preventive maintenance of all reinforced concrete commercial and civil engineered structures
- Concrete piers, dams, offshore platforms, piles, pillars, pipes and utility poles

- Restoration and repair of all reinforced concrete commercial and civil engineered structures
- Plant floors subject to chemical and/or acid attack
- Buildings and foundations of all types
- Cooling towers and portable water tanks

### ADVANTAGES

- MCI®-2020 IPA 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 by migrating into even in the densest concrete
- Migrating corrosion inhibitors reduce further corrosion of the most rusted metals
- Easily applied by spray, roller, squeegee or paint brush to any concrete surface, reducing the high cost of labor and equipment
- Does not contain any calcium nitrite
- Water-based and non-flammable for easy handling
- Does not require the removal of sound concrete
- Organic, safe and environmentally friendly
- Enhances the durability of reinforced concrete
- Lab and field tested worldwide
- Allows concrete to breathe and vapor to diffuse, is not a vapor barrier
- Protects both anodic and cathodic areas
- Proven to migrate to adjacent areas to protect surrounding metals
- No cure time is required. Traffic may resume minutes after application, if necessary

## COVERAGE

150 ft<sup>2</sup>/gallon (3.68m<sup>2</sup>/liter). Dense substrates may require two coats at the rate of 300 ft<sup>2</sup>/gallon (7.36m<sup>2</sup>/liter)

## PACKAGING

MCI®-2020 IPA is available in 5 gallon (19 liter) pails and 55 gallon (208 liter) drums.

## SURFACE PREPARATION

Surface should be dry, sound, clean and free of all dirt, oil, grease efflorescence, sealers, coatings, membranes and asphalt. Cleaning may be done by steam cleaning, water-blasting or sandblasting.

## APPLICATION

Apply the solution by spray (conventional airless or hand pressure spray equipment), roller, squeegee or paint brush to any concrete surface. Dense substrates may require two coats with a minimum of 8 hours between coats. When applying a sealer, coating, repair mortar or concrete overlay, the surface should be rinsed with water, pressure washed or blast-cleaned to remove any residue.

## LIMITATIONS

The substrate and ambient temperature should be above freezing and below 125°F (50°C). Do not apply if the temperature is expected to fall below freezing within 12 hours. MCI® will not penetrate film-forming sealers, coatings, paints, membranes or asphalt.

## 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

## PHYSICAL PROPERTIES

MCI®-2020 IPA

Appearance	Clear to slightly hazy amber liquid
pH	9-9.7 (Neat)
Density	7.7-8.0 lb/gal (0.92-0.95 kg/l)
Storage/Shelf Life	24 months in sealed drums
Storage	Minimum -24°F (-31°C) Maximum 212°F (100°C)

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