

MCI®-2020 M SC (concentrated version)



PRODUCT DESCRIPTION

MCI-2020 M SC is a super concentrated surface-applied corrosion inhibitor designed to migrate through concrete structures and seek out steel reinforcing bars embedded in concrete. This product protects carbon steel, stainless steel, galvanized steel, and aluminum.

MCI-2020 M SC provides effective protection to metal due to enhanced film-forming properties, reducing further corrosion on metals and extending the service life of the structure.

Note: A UV tracer may be added upon request. (MCI-2020 M SC UV)

MCI-2020 M SC is also available with a blue fugitive dye (MCI-2020 M SC BFD) which helps to easily identify treated areas.

WHERE TO USE

MCI-2020 M SC 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
- Buildings and foundations of all types

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 in high concentration of chloride
- Protects against the harmful effects of corrosion by migrating into even the densest concrete
- The migratory inhibitor reduces active corrosion of metals in high chloride environments
- 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
- 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
- NSF Standard 61 approved for potable water applications (certified by Underwriters Laboratories) once diluted with water at a 1:1 ratio.



MIXING INSTRUCTIONS

Mix one part MCI-2020 M SC concentrate to one part tap water at ambient temperature. Mix at low to medium speed until fully blended.

COVERAGE

Coverage after mixing instructions have been followed is 150 ft²/gal (3.68 m²/L). Dense substrates and vertical/overhead areas may require two coats at the rate of 300 ft²/gal (7.36 m²/L).

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 MCI-2020 M SC by spray (conventional airless or hand pressure spray equipment), roller, squeegee, or paint brush to any concrete surface. Dense substrates may require two (2) coats with a minimum of 7½ hours between coats. In most cases, MCI Architectural Coating can be applied without rinsing. However, if the MCI-2020 M SC was overdosed, rinse with water, pressure wash, or blast clean before applying the MCI Architectural Coating. A water rinse and adhesion test is required before application of any other coatings.

APPLICATION CONSIDERATIONS

The substrate and ambient temperature should be above freezing. Do not apply if temperature is expected to fall below freezing within 12 hours. MCI will not penetrate film-forming sealers, coatings, paints, membranes, or asphalt.

PHYSICAL PROPERTIES

MCI-2020 M SC (concentrate)

Appearance	Clear to hazy yellow to amber liquid
pH	9-10.5 (1% aqueous)
Non-volatile content	28-33%
Density	8.8-9.0 lb/gal (1.05-1.08 kg/L)

PACKAGING AND STORAGE

MCI-2020 M SC is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk. Keep from freezing. Shelf life is 24 months in a sealed drum.

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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