

SURFACE APPLIED MIGRATING CORROSION INHIBITOR

DESCRIPTION

Conpatch MCI is surface applied migratory corrosion inhibitor, designed to migrate even through dense concrete structures forming a protective layer on the surface of the reinforcement. Conpatch MCI can be used in reinforced concrete structures that show signs of reinforcement corrosion or need additional protection to inhibit future corrosion. It protects the steel by forming a protective coating and reduces the corrosion rate.

USES & ADVANTAGES

Migratory corrosion inhibitor's are useful for repair and maintenance purposes and the treatment of undamaged concrete where corrosion induced damage is anticipated due to chloride or carbonation attack. Conpatch MCI extends the service life of the structure for below and above ground structures. It can be used for all type of buildings, marine structures, water tanks, cooling tower, etc.

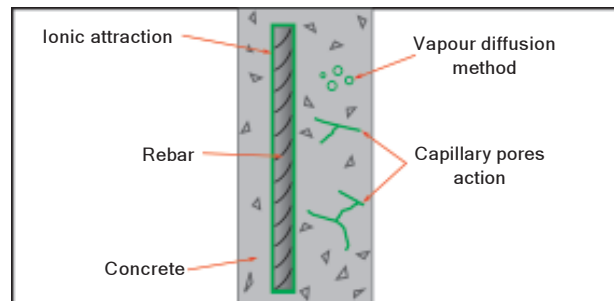
Advantages include:-

- Protection of concrete steel reinforced structures such as marine, piers, dams, highways, parking decks, cooling towers etc. exposed to chlorides, de-icing salts & carbonation attacks.
- Non staining.
- Low viscosity ensures good in depth penetration through capillary pores.
- Both delays, the start of corrosion and reduces the corrosion rate.
- Easy to apply and economical.
- Extension of service life and long term protection.
- Safe and environment friendly towards GREEN concrete.
- Protects both cathodic and anodic areas.
- No special curing time required traffic can resume immediately after application.
- Water based and non flammable.
- Can perform on other metals such as galvanized steel, aluminum, coated steel.
- Long term protection.

PROPERTIES@25°

Form:	Liquid
Appearance:	Amber colour
Density:	1.03 ± 0.02 Kg/Ltr
pH:	8 to 10
Flash Point:	Not applicable (water based)
Drying time:	30 - 40 mins
Re coat time:	40 - 60 mins

Schematic Representation of Conpatch MCI by Vapour diffusion system and penetration through capillary pores.



SURFACE PREPARATION

Substrate should be dry, sound, clean and free of all dirt, grease, oil, laitance, sealers, coatings, curing compounds, membranes, etc. Cleaning can be done by use of mechanical equipment or by using jet water blast.

APPLICATION

Conpatch MCI can be applied either by using a brush, roller or low pressure spray equipment. For better performance at least 2 coats are required. Application should be done +5 to +30° C

Conpatch MCI can also be applied by using an injection method to ensure fast and deep penetration into thick structures and speeding up work.

COVERAGE RATE

Approximate 3.5 to 4 m²/Ltr/Coat. Depends upon surface texture, porosity and absorption of concrete. Generally 2-4 coats are required depending upon the grade of concrete.

CURING

Conpatch MCI does not require any special curing and if required can be opened for traffic after few minutes of application.

PACKAGING

25 Ltr pails and 200 Ltr drums.

LIMITATIONS

Before and after application the surface should be protected from rain, frost and direct sunlight, Application should be done below the freezing temperature. Do not apply in wet areas or tidal zone where the surface is always saturated with water.

NOTE : For complete and entire concrete corrosion protection system please contact Cormix Technical Department.

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STORAGE CONDITIONS & SHELF LIFE

Store in the shade do not allow to freeze. Shelf life is 12 months in original sealed containers. Stir before application.

HEALTH & SAFETY

If swallowed increase liquid intake for 24 hours. Consult a doctor. Eye contact should be avoided by the use of eye protection if contact is made flush with large amounts of water continue for several hours. Where in contact with skin remove with water. Avoid direct contact with eyes at all times. In enclosed environment use breathing apparatus.

TECHNICAL SERVICE

The Cormix International Limited Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2008 verified by TUV Nord.

CONTACT DETAILS

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