



CEMPROTEC MCI® 2020

Surface Applied Corrosion Inhibitor

USES

CEMPROTEC MCI®2020 is a surface-applied corrosion inhibitor formulated to migrate through concrete on existing structures to seek out and help to protect the steel reinforcement. It should be used as part of the Flexcrete Concrete Repair and Protection System on reinforced concrete structures where additional protection is required, particularly from the effects of chloride attack.

ADVANTAGES

- Water based organic compound which migrates through the pore structure of hardened concrete by both capillary suction of the liquid and diffusion of the vapour phase. Does not need direct contact with steel.
- Will migrate into the hardest concrete towards steel reinforcement, where it forms a monomolecular protective layer which helps to reduce corrosion at both the anode and cathode.
- Formulated on time proven, corrosion inhibiting technology, it is used in conjunction with the Flexcrete Concrete Repair System to help to extend the life of reinforced concrete structures in aggressive environments.
- Easily applied by spray, roller or brush. No cure time is required.
- Water-based product, free from hazardous solvents.

PRODUCT DESCRIPTION

CEMPROTEC MCI®2020 is a clear, water based, organic surface treatment for existing concrete structures. Based on time proven corrosion inhibiting technology, it has been specially formulated to migrate into concrete, by liquid and vapour diffusion, to form a protective monomolecular layer on steel reinforcement, which helps to reduce corrosion. It's penetrative action ensures that it does not inhibit the free passage of water vapour and it has a minimal effect on surface appearance. It is most effective when used in conjunction with the Flexcrete Concrete Repair and Protection System in protecting steel in aggressive environments subject to high levels of chlorides, such as marine and highway structures. With corrosion inhibiting technology which was developed over twenty years ago, it has a proven track record of protecting and enhancing the durability of structures worldwide.

APPLICATION DATA

Application Guide available on request.

PREPARATION

The areas to be treated must be dry and free from all unsound material, i.e. dust, oil, grease, corrosion by-products, sealers, coatings, membranes and organic growth. Surface laitance and any soft, sandy or flaking concrete should be removed back to a sound surface, suitable for treatment. Use techniques capable of achieving the required degree of preparation, such as wet grit or water blasting or equivalent approved methods.

NOTE: **CEMPROTEC MCI®2020** will not penetrate film-forming sealers, coatings, paints, membranes or asphalt.

PLACING

Apply **CEMPROTEC MCI®2020** over the clean, dry surface by spray, roller or brush, at a coverage rate of 3.68 m²/litre. Dense substrates may require two coats at a coverage rate of 7.36m²/litre with a minimum of 7½ hours between coats. Rinse with water to remove any residue prior to the application of a repair material or coating.

PACKAGING AND COVERAGE

Pack Size:	25 litres
Coverage:	3.68m ² /litre

TECHNICAL DATA

Specific Gravity:	1.03 - 1.05
Colour:	Clear amber liquid
Flash Point:	N/A (water based)
Min Application Temperature:	4°C

CLEANING

All tools should be cleaned with water immediately after use.

SHELF LIFE

2 years with unopened containers stored in frost free conditions away from heat.

SAFETY DATA

Safety Data Sheet available on request.



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