

CEMPROTEC MCI® 2020

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 from the effects of carbonation and chloride attack is required.

ADVANTAGES

- MIGRATORY:** 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 application to steel.
- PROTECTIVE:** 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.
- EFFECTIVE:** 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.
- RAPID:** Easily applied by spray, roller or brush. No cure time is required.
- SAFE:** Water based product free from hazardous solvents.

PRODUCT DESCRIPTION

CEMPROTEC MCI®2020 is a clear, patented, 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. Its 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 world-wide.

TECHNICAL DATA

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

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. Where necessary, use **FLEXCRETE DEGREASANT** and **BIOWASH** as instructed on the individual data sheets. 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 or pressure wash to remove any residue, prior to the application of a repair material or surface coating.

CLEANING

All tools should be cleaned with water immediately after use.

STORAGE

Store in frost free conditions in tightly sealed containers away from heat.

SHELF LIFE

2 years with unopened containers under the above storage conditions.

PACKAGING AND COVERAGE

Pack size:	25 litres.
Coverage:	3.68m ² /litre.

SAFETY DATA

Safety Data Sheet available on request.

MCI® is a registered trademark of Cortec Corporation.



Flexcrete Technologies Limited

Tomlinson Road • Leyland • Lancashire
• PR25 2DY • England

Tel: +44 (0) 845 260 7005 • **Fax:** +44 (0) 845 260 7006

e-mail: info@flexcrete.com

www.flexcrete.com



The information herein is correct to the best of our knowledge, but it does not necessarily refer to the particular requirements of the customer. If the customer has any particular requirements it should make them known in writing to Flexcrete Technologies Limited, and obtain further advice accordingly.