

RonaBond MCI

Surface applied corrosion inhibitor



FEATURES

- 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.
- allows concrete to breathe and vapour to diffuse, it is not a vapour 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.

Description

RonaBond MCI is a surface applied corrosion inhibitor. It is designed to migrate through normal and dense concrete structures and seek out the steel reinforcement bars in concrete. RonaBond MCI will migrate a considerable distance through concrete to provide protection. RonaBond MCI will stop further corrosion of reinforcing metals and extend the service life of the structure.

Physical Properties

Appearance	Clear to slightly hazy amber liquid
pH	9.0-9.5 (Neat)
Density	1.03-1.05 kg/l
Shelf Life	12 months in sealed drums
Storage temperature	5-25°C
Packaging	208 litre drums.

Where to Use

RonaBond MCI is recommended for:

- Reinforced, precast, pre-stressed, post-tensioned or marine concrete structures.
- Reinforced concrete highway structures exposed to corrosive environments (carbonation, de-icing salts and atmospheric attack).
- Parking decks, ramps and garages.
- Preventive maintenance of all reinforced concrete buildings and civil engineering structures.
- Restoration and repair of all reinforced concrete buildings and civil engineering structures.
- Buildings and foundations of all types.
- Cooling towers and potable water tanks

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Advantages

- RonaBond MCI offers proven corrosion inhibiting technology that will extend the life of reinforced concrete structures.
- Protects against the harmful effects of corrosion by migrating into even in the densest concrete.
- Reduces 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 labour 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.
- Allows concrete to breathe and vapour to diffuse, it is not a vapour 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.

Instructions for Use

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-jetting or shot-blasting.

Application

Apply RonaBond MCI 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.

Coverage

RonaBond MCI is applied in a single coat at 3.7m² per litre to horizontal surfaces. Additional coats may be required for extremely dense surfaces.

For vertical surfaces, RonaBond MCI should be applied in 2 coats at a rate of 7.4m² per litre. Additional coats may be required for extremely dense surfaces.

Limitations

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

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Site Attendance

When on site Ronacrete representatives are able, if asked, to give a general indication of the correct method of installing a Ronacrete product. It is important to bear in mind that Ronacrete Ltd is a manufacturer and not an application contractor and it is therefore the responsibility of the contractor and his employer to ensure he is aware of and implements the correct practices and procedures to ensure the correct installation of the product and that liability for its correct installation lies with the contractor and not with Ronacrete Ltd.

The information detailed in this leaflet is liable to modification from time to time in the light of experience and of normal product application, and before using, customers are advised to check with Ronacrete Ltd, quoting the reference number, that they possess the latest issue. Any person or company using the product without first making further enquiries as to the suitability of the product for the intended use does so at his own risk, and Ronacrete Ltd can accept no responsibility for the performance of the product, or for any loss or damage arising out of such use.