

## Migratory Corrosion Inhibitor

### FORMERLY FLEXCRETE CEMPROTEC MCI® 2020

#### PRODUCT DESCRIPTION

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.

The penetrative action of Intercrete 4879 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 Intercrete 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 20 years ago, it has a proven track record of protecting and enhancing the durability of structures worldwide.

#### INTENDED USES

Specifically designed to protect embedded steel reinforcement in concrete structures. It should be used as part of the Intercrete Concrete Repair and Protection System where additional protection is required, particularly from the effects of chloride attack.

Intercrete 4879 migrates into even the hardest concrete towards steel reinforcement, where it forms a monomolecular protective layer which helps to reduce corrosion at both the anode and cathode. Helps to extend the life of reinforced concrete structures in aggressive environments.

#### PRACTICAL INFORMATION FOR INTERCRETE 4879

<b>Volume Solids</b>	Not applicable			
<b>Density</b>	1.05kg/l (8.74lb/gal)			
<b>Practical Coverage</b>	Approximately 3.68m <sup>2</sup> /litre on prepared substrates Practical coverage will depend upon the porosity of the area being treated and appropriate losses must be taken into consideration.			
<b>Method of Application</b>	Brush, Roller, Spray			
<b>Shelf Life</b>	24 months at 20°C (68°F).			
<b>Pack Size</b>	25 litre units			
<b>Drying Time</b>	Overcoating interval with self			
<b>Temperature</b>	<b>Touch Dry</b>	<b>Hard Dry</b>	<i>Minimum</i>	<i>Maximum</i>
20°C (68°F) <sup>1</sup>	1	1	1	1

<sup>1</sup> Not applicable

#### COMPLIANCE AND CERTIFICATION

When used as part of an approved scheme, this material has the following certification:



### Protective Coatings

## Migratory Corrosion Inhibitor

### SURFACE PREPARATION

#### Concrete

All surfaces should be clean and free from laitance, curing compounds, release agents, efflorescence, grease, oil, dirt, old coatings and loose or disintegrating concrete. The preferred methods of surface preparation are wet grit or water blasting techniques.

NOTE: Intercrete 4879 will not penetrate film-forming sealers, coatings, paints, membranes or asphalt.

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### APPLICATION

#### Mixing

Intercrete 4879 is a one component product and should always be mixed thoroughly prior to use.

#### Airless Spray

Recommended

#### Brush

Recommended

#### Roller

Recommended

#### Work Stoppages / Clean Up

Clean all equipment immediately after use with clean water. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including any delays.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

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### PRODUCT CHARACTERISTICS

#### Placing

Apply Intercrete 4879 over the clean, dry surface by spray, roller or brush. Dense substrates may require two coats at a coverage rate of 7.36m<sup>2</sup>/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.

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### APPLICATION TIPS

- Do not use if temperature is expected to fall below 0°C (32°F) within 12 hours of application.
- If structures are being submerged after application apply an Intercrete cementitious coating to waterproof the surface prior to immersion. (See separate Guide).
- The maximum chloride content at the reinforcement depth in structures being treated with Intercrete 4879 is 3.5kg/m<sup>3</sup>. (For higher concentrations consult AkzoNobel for technical advice).
- Intercrete 4879 will not penetrate film-forming sealers, coatings, paints, membranes or asphalt which must be removed before application.
- Where necessary treated surfaces may be open to traffic as soon as the surface is touch dry. (Under normal conditions within minutes of treatment)
- Can be overcoated with Intercrete membranes to give a coloured aesthetic finish.
- Store in airtight containers in frost-free conditions, away from heat. **Do not exceed 60°C (140°F)**
- Cold Weather Working (See separate Guide): minimum application temperature 4°C (39°F). Do not use any product which has been frozen.
- Hot Weather Working (See separate Guide): Do not apply at temperatures >50°C (122°F).

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### SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Safety Data Sheet and the container(s), and should not be used without reference to the Safety Data Sheet (SDS).

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

If in doubt regarding the suitability of use of this product, consult International Protective Coatings for further advice.

### Important Note

*The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local representative that this data sheet is current prior to using the product.*

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