

Technical Information Sheet Article No. 9200

Funcosil MCI

One component water based corrosion inhibiting impregnation.

Range of use

- Preventative maintenance of all reinforced concrete buildings and structures
- Civil engineering structures including bridges, piers, car parks, cooling towers and marine concrete structures

Property profile

- 1 component water based corrosion inhibiting impregnation
- Surface applied to reinforced concrete, it penetrates through the concrete to form a monomolecular chemical film on the steel reinforcement
- Prevents further corrosion of steel reinforcement and extends the service life of the structure
- Easy to apply by spray, roller or brush
- Non flammable
- Eliminates the need to remove sound concrete
- Environmentally friendly
- Proven worldwide in laboratory and field testing
- Multifunctional inhibitor protects both the anodic and cathodic sites of the reinforcing steel
- Protects against incipient anode corrosion

Characteristic data of the product in the packaged state

Colour	Clear liquid
pH	9.0 - 9.5
Density	1.03 - 1.05 kg/litre
Application temperature (substrate and ambient)	+3°C - +45°C
Coverage	0.27 litre/m ²
Packaging	25 litre plastic drums
Water based	

- Highly cost effective
- Complies with the requirements of BRE Digest 444
- No effect on water vapour diffusion or other concrete properties
- Forms part of the **Remmers Concrete Repair System** to provide long term protection to reinforced concrete structures

Working

Substrate Preparation

The substrate should be dry, sound, clean and free of all surface contaminants such as oil, grease, efflorescence, sealers, coatings, membranes and asphalt. All loose materials must be removed. Suitable techniques for cleaning and preparing the substrate include high pressure water jetting and abrasive blast cleaning. Optimum results for the application will be obtained on clean, dry absorbent substrates.

Application

Apply by spray (conventional airless or hand pressure spray equipment), roller, squeegee or paint brush at a consumption of 0.27 l/m². Dense substrates may require two coats at a total consumption of 0.27 l/m². If applied in 2 coats ensure that a period of 8 hours waiting time is observed between the coats. If the treated substrate is to be subsequently overcoated with a coating or mortar, then the substrate should be thoroughly cleaned using high pressure water jetting or abrasive blasting to ensure that any corrosion inhibitor residue is removed.

Notes

- Do not apply if the ambient or substrate temperature is expected to fall below 0°C within 12 hours of application

- **Funcosil MCI** will not penetrate coatings, paints, membranes or asphalt
- The application of **Funcosil MCI** should not affect the appearance of the concrete substrate, however, a trial application is recommended if the concrete surface is to be left uncoated in order to check that the concrete does not darken in colour
- Protect all adjacent surfaces when applying, ie, paintwork, sealants, metalwork

Tools and Cleaning

Brush, roller or low pressure spray
Clean tools and equipment with clean water

Shelf-life

Shelf-life:

Can be kept for 12 months in closed, original containers, stored in a dry environment on pallets and protected from moisture at +5°C minimum, +45°C maximum ambient temperature

Safety, ecology, disposal

Further information concerning safety during transport, storage and handling as well as for disposal is found in the latest Safety Data Sheet.

Technical Services

Remmers UK have an experienced technical team that are able to provide on site advice both at the specification stage and during application of Remmers products. Detailed material proposals can be provided to meet the individual specific requirements of a client or project.

Site visits by members of our highly experienced Technical Sales Team can be arranged upon request, throughout the UK. On site demonstrations by our Technical Services Team can be arranged upon request.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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Remmers (UK) Limited Crawley
United Kingdom
Tel: +44(0) 845 373 0103
Fax: +44(0)845 373 0104
www.remmers.co.uk

Remmers (Far East) Pte. Ltd.
Singapore
Tel: +65 6 7410277
Fax: +65 6 7417158