

MAKRETE ZINC PRIMER

Makrete Zinc-Rich Epoxy Resin Primer to Protect Steel Reinforcement Within Repair Mortars

Makrete Zinc Primer is supplied as a single component grey-coloured liquid based on metallic zinc and epoxy resins.

RECOMMENDED USES

- **Makrete Zinc Primer** is the recommended anti-corrosion primer for exposed steel reinforcement for use with Makrete concrete repair mortars.
- The product provides a barrier to further corrosive elements such as chlorides attacking the steel. Compatible with all **Makrete** mortars.

FEATURES AND BENEFITS

- Excellent protective barrier to the steel from further corrosive attack
- Formulated for use with Makrete repair products
- Single component product - easy to use with no restrictive pot-life
- Time saving - touch dry after 15 - 45 minutes
- Economical - single component ensures almost no waste
- Australian Made and Australian Owned

PROPERTIES

Recommended thickness per coat:	Approx. 60 microns (dry)
Application thickness per coat:	140 microns (wet)
Drying times – Touch dry:	
@ 20°C	30 - 45 minutes
@ 35°C	10 - 15 minutes
Fully dry/recoatable:	
@ 20°C	40 - 50 minutes
@ 35°C	20 - 30 minutes
VOC content:	440g / litre

Note: At temperatures below 20°C, drying times will be slower. Conversely, at temperatures above 35°C, drying times will be faster.

APPLICATION INSTRUCTIONS

PREPARATION

Expose fully any corroded steel in the repair area and remove all loose scale and flaky corrosion deposits. Grit blasting or high-pressure water blasting is recommended for this process. Where corrosion has occurred due to presence of chlorides, the steel should be high-pressure washed with clean water immediately after grit-blasting to remove corrosion products from pits and imperfections within its surface.

APPLICATION

One or two coats of **Makrete Zinc Primer** are generally required, dependent largely on nature and profile of the steel substrate.

Makrete Zinc Primer can be recoated generally between 30 minutes and 1 hour after the initial application. Application of concrete

repair materials may also proceed at this time. At elevated temperatures, the recoatable and overlay times will be reduced. The minimum application temperature for **Makrete Zinc Primer** is 5°C.

The application of **Makrete Zinc Primer** must take place as soon as possible to a dry steel surface after completion of the preparation work but always within 3 hours.

Although a single component product, it should be stirred thoroughly before use to redisperse any settlement.

Apply one full and unbroken coat of **Makrete Zinc Primer** by suitable brush, making sure that the back of exposed steel reinforcing bars is properly coated. A small brush is generally more suitable for this purpose. Allow to dry fully before continuing.

If any doubt exists about having achieved an unbroken coating, a second application should be made as soon as the first coat is fully dry (approx. 30 minutes).

The primed surfaces should not be left exposed to the elements for longer than necessary before overcoating or application of the repair material.

Makrete Zinc Primer will, however, protect steel under clean interior exposure conditions for a period of several months.

The application of concrete repair materials should proceed as soon as **Makrete Zinc Primer** is fully dry (approx. 30 minutes).

LOW TEMPERATURE WORKING

The minimum application temperature is 5°C. The material should not be applied when the substrate and/or air temperature is 5°C and falling. At 5°C stable temperature or at 5°C and rising, the application may proceed.

CLEANING

Remove material from tools, equipment and mixers with **Makrete Thinners** immediately after use.

LIMITATIONS

Makrete Zinc Primer should not be applied when the temperature is below 5°C or is 5°C and falling.

STORAGE

Makrete Zinc Primer should be stored in original packaging in a cool, dry area. If stored at high temperatures the shelf life may be reduced.

SHELF LIFE

Makrete Zinc Primer has a shelf life of 24 months in unopened container.

CONTACT & TECHNICAL SUPPORT
Makrete Pty Ltd
ABN: 14619437204
PO Box 50, Montmorency, VIC 3094
Ph: 1300 911 161
E: admin@makrete.com.au
W: www.makrete.com.au

Product	MAKRETE ZINC PRIMER
Issue Date	MAY 2023
Issue No:	1
Item Code	MAKP67
Pack Size	1 Litre

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time.

The TDS should be carefully read and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied.

Our responsibility for products sold is subject to our standard terms and conditions of sale. Makrete does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

The information and any recommendations relating to the application and end-use of all MAKRETE products are provided in good faith based on MAKRETE's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by MAKRETE. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions.

It is recommended that all products be properly stored, handled and applied in accordance with the printed literature (TDS).

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.