FRINICS CHEMICALS
for THE CONCRETE SOLUTION!

ISO 9001

BUILDING CHEMICALS SPECIALISTS

UNIZINC EPOXY
One component Epoxy Zinc Primer

USES

- Anti-corrosion primer for exposed steel reinforcement for use with concrete repair mortars. The product actively resists corrosion within the confines of the repair location and avoids the generation of incipient anodes in immediately adjacent locations.

ADVANTAGES

- **Active** zinc-rich system combats corrosion by electrochemical means.
- Formulated for use with **UNIROC** repair products.
- Single component product – easy to use with no reactive pot-life.
- Time saving – touch dry after 15 to 45 minutes.
- Economical, single component ensures almost no waste.

PRODUCT DESCRIPTION

UNIZINC EPOXY is supplied as a single component grey-coloured liquid based on metallic zinc and epoxy resins.

Specific gravity:	2.0	
Recommended Thickness per coat:	40 microns (dry)	
Application Thickness per coat:	135 microns (wet)	
Drying times –	@ 20°C	35°C
Touch dry:	45 mins	15 mins
Fully dry/recoatable:	30 mins to 1 hour	20 to 45 mins

One or two coats of **UNIZINC EPOXY** are generally required, depending on the nature and profile of the substrate. A second coat can be applied between 30 minutes and one 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 **UNIZINC EPOXY is** 5°C.

APPLICATION INSTRUCTIONS

Preparation

Expose fully any corroded steel in the repair area and remove all loose scale and corrosion deposits. Steel should be cleaned to a bright condition paying particular attention to the back of exposed steel bars. Grit-blasting is recommended for this purpose.

Where corrosion has occurred due to the 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

UNIZINC EPOXY is applied as soon as possible to a dry surface after completion of the preparation work but always within 3 hours. Apply one full and unbroken coat by suitable brush, making sure that the back of exposed steel reinforcing bars are properly coated. Allow to dry fully before continuing.

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

The application of concrete repair materials should proceed as soon as the **UNIZINC EPOXY** is fully dry (see properties).

Cleaning

UNIZINC EPOXY should be removed from tools, equipment and mixers with S**olvent** immediately after use.

PRECAUTIONS

Health and Safety

UNIZINC EPOXY and Solvent should not come in contact with the skin and eyes or be swallowed ensure adequate ventilation and avoid inhalation of vapours. Some people are sensitive to resins and solvents. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. In case of contact with skin remove immediately with resin removing cream followed by washing with soap and water. In case of contact with eyes rinse immediately with of clean water and seek medical advise. If swallowed, seek medical advice immediately–**do not** induce vomiting.

UNIZINC EPOXY (flash point: 16ºC) **and Solvent** (flash point: 33ºC) are flammable. Keep away from sources of ignition. No smoking. In the event of fire, extinguish with CO_2 or foam. Do not use a water jet.

PACKAGING

UNIZINC EPOXY is supplied in 1litre cans. Coverage is 7.4 m^2/litre.

STORAGE

UNIZINC EPOXY and Solvent have a shelf life of 12 months if kept in a dry store in its original unopened containers. High temperatures and humidity storage may reduce this period.

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