



# EP 410

## Two Component Epoxy Zinc Rich Primer

### DESCRIPTION

EP 410 is a two component, epoxy zinc primer to provide active galvanic protection to steel. It is recommended to use where chloride induced attack on steel is expected and for concrete repair in corrosive environments.

### USES

Protective coating to reinforcement in concrete repair

### FEATURES

- Corrosion resistant
- Good adhesion to the steel reinforcement
- Suitable to be used as a touch-up primer for corroded reinforcement before concrete repair.
- Prevents further corrosion within the repair locations.
- Paint like consistency: Easy to apply

### PHYSICAL PROPERTIES

EP 410 @ 27 ± 1°C

|                        |                         |
|------------------------|-------------------------|
| Pot life               | 60 minutes              |
| Bond strength to steel | > 1.5 N/mm <sup>2</sup> |
| Mixed density          | 1.75 g/cc               |
| Touch dry              | 50 minutes              |
| Complete dry           | 24 hours                |
| VOC Content            | 356 g/l                 |

### COVERAGE ESTIMATES

#### Pack size

|               |                |
|---------------|----------------|
| <b>500 ml</b> | <b>1 litre</b> |
| Part A 400 ml | Part A 800 ml  |
| Part B 100 ml | Part B 200 ml  |

#### Coverage

Approx. 10 m<sup>2</sup>/litre @ 100 microns WFT

### APPLICATION INSTRUCTIONS

#### Surface Preparation

The steel surface should be grid blasted or wire brushed to remove all traces of corrosion.

#### Mixing

Both Part A and Part B components should be thoroughly stirred before being mixed together. The entire contents of the Part A should be poured in a mixing vessel and add Part B. Mix thoroughly using a mechanical mixer to achieve a smooth homogenous mix. Part mixing should be avoided.

#### Application

Apply the mixed EP 410 using a brush immediately after the surface is prepared to prevent any further contamination to steel, ensuring uniform and full coverage. Repair mortar can be placed as soon as the EP 410 is touch-dry.

**Note:** EP 410 is not designed as a finished coating and should be protected as soon as possible particularly in aggressive environments.

### CLEANING

EP 410 can be removed from tools and equipment by using RTC 100 immediately after use. Any hardened material will need to be removed mechanically.

### STORAGE AND SHELF LIFE

EP 410 has a shelf life of 6 months if kept in a dry, clean store between 5°C and 30°C in the original unopened containers. The product should be protected from frost, away from direct sunlight and sources of heat.

### PRECAUTIONS

During mixing and application the following precautions should be observed: Ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water. Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to resin-based materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

### DISPOSAL/SPILLAGE

Spillage of any of the product components should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

For further information please refer to the Material Safety Data Sheet.

### CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

### NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. However, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

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