

CAT. NO. CONREP-11-2009

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# EAT-RUST

## One-Component Zinc Rich Epoxy Primer

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**EAT-RUST** is a one component, liquid, anti corrosion primer for steel reinforcements consisting of a blend of epoxy resin, zinc fillers and solvents. The high zinc content and organic epoxy binder creates an active anti-corrosion protection by the galvanic mechanism. Zinc in the presence of water decompose into insoluble hydroxides, and carbonates creating a barrier which protects the metal substrate from corrosion. **EAT-RUST** conforms with specification BS 4652\*.

### APPLICATION

**EAT-RUST** is used as an anti-corrosion protection primer for steel reinforcements in conjunction with ACI's cementitious repair products (ISOPATCH, DURAPATCH, DURCRETE, ISOCRETE 100).

### ADVANTAGES

- One- component, ready to apply.
- Active anti-corrosion protection
- Being one component, has indefinite pot life.
- Damage to the film are sealed by the insoluble products of zinc hydroxide and carbonates.
- Short drying time. Touch dry after 20 minutes at 30<sup>0</sup> Celsius ambient temperature.
- Trouble free recoatability.

### TYPICAL PROPERTIES

- |                                   |   |
|-----------------------------------|---|
| • Non-volatile Solids             | 42% by volume                             |
| • Potlife                         | Indefinite                                |
| • Drying time @ 30 <sup>0</sup> C |   |
| -Touch dry                        | 15-20 minutes                             |
| -Recoatible                       | 1.5 hours                                 |
| • Recommended Thickness           | 50 microns dry (120 microns wet) per coat |
| • Recommended number of coats     | 1 to 2 coats                              |

### DIRECTION FOR USE

### SURFACE PREPARATION

The corroded steel reinforcement shall be completely exposed and cleaned to bright condition. Recommended cleaning methods are by grit blasting, wire brushing or high pressure water jet.

## APPLICATION

Immediately after cleaning, apply one coat of **EATRUST** by brush. A second coat is recommended to ensure there is no discontinuity in the dry film. Repair mortars can be applied as soon as **EATRUST** is dry.

(Note: Before using **EATRUST**, stir the contents of the can to ensure thorough dispersion of the heavy zinc particles which tend to settle at the bottom).

## PACKING/ COVERAGE

**EAT-RUST** is packed in 1 liter can and has a theoretical coverage of 8 square meters per liter, per coat at 50 microns dry film thickness.

## SHELF LIFE

Twelve (12) months from date of manufacture in original, unopened can stored in cool, dry environment. Due to the heavy nature of zinc, some particles may settle at the bottom of the can. Before using, stir the contents of the can.

## HEALTH/ SAFETY

Chemicals should always be handled with caution. **EAT-RUST** may cause skin irritation to some people who are sensitive. Always wear rubber hand gloves and eye protection when handling. Accidental splashes to the skin should be immediately washed with soap and water. Splashes to the eyes should be immediately cleaned with water. If eye irritation persists, seek medical attention. **EAT-RUST** contains flammable solvent. Keep away from open flames and direct sunlight. Refer to MSDS for more information.

## CLEANING

Fresh coating can be cleaned-off from tools using ISOKLEEN.

\*(Note: Although **EAT-RUST** is supplied as one component, it complies with BS 4652 requirement for minimum zinc content, rapid drying time and resistance to continuous salt spray. BS4652 covers Zinc-rich paint supplied as two components.)

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Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential

**ISOLA SOLUTIONS W.L.L**

P.O. Box 530, Manama, Kingdom of Bahrain, Tel: 17784777, Fax:17911422, Email: [isola@hajihassan.com](mailto:isola@hajihassan.com), web: [www.isolasolutions.com](http://www.isolasolutions.com)