



## ReCon Zinc

### Epoxy Based Zinc Rich Primer

**DESCRIPTION** **ReCon Zinc** is a two component epoxy based zinc rich system that provides a protective and anti-corrosive coating to structural steel and rebar.

**USES** **ReCon Zinc**, a zinc rich primer is used as part of a repair or coating system over steel reinforcements and metal surfaces of concrete structures in aggressive environments.

**ADVANTAGES**

- Rich in zinc content
- Protects from corrosion
- Long pot life
- Fast surface drying time
- High coverage rate
- Can be applied by brush or spray
- Good abrasion resistance
- Very good adhesion to most substrates
- Does not act as a barrier between steel and concrete

#### TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Two: Part A- Base Part B- Hardener
Mixed Form	-	Liquid
Colour	-	Grey
Potlife	-	70 +/-10 mins
Surface Dry	ASTM D2939	20 mins
Hard Dry	ASTM D2939	Minimum 60 mins
Recoat Time	-	4 to 48 hrs
Application Temperature	-	+5°C to +40°C
Service Temperature	-	+5°C to +70°C

**SURFACE PREPARATION** Surfaces should be dry, clean and free from standing water, grease, curing compounds, mould oils and all loosely adhering particles. Cement laitance should be removed by mechanical means. Steel surfaces should be grit blasted or wire brushed. All rust particles should be removed.

**MIXING** Material is supplied in two containers as a unit. Stir individual components to disperse any settlement. Mix base component with the hardener component using a slow



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speed drill machine fitted with paddle till a homogeneous mix is obtained. Always mix a complete unit in the proportions as supplied.

### APPLICATION

**ReCon Zinc** should be applied to the rebar or steel as soon as possible after the material is mixed and within its pot life. In concrete repair situations ensure that the rebar is coated all around. If the coating is broken, re-apply a second coat after the first coat is dry (between 30 and 60 minutes).

The primed surface, when fully dry should be coated or covered with repair material. In industrial or marine environments the repair material should be placed within 48 hours. If application of repair mortar/concrete is delayed beyond 48 hours additional coat of **ReCon Zinc** may be required. It can be applied by using a brush or spray. For spray application, viscosity has to be maintained. To achieve the required viscosity, **Conmix Thinner** can be added in the range of 5-10%.

### RECOMMENDED COAT

Single coat at 110 micron wft (50 micron dft). In aggressive environments additional coats may be required.

### PACK SIZE

1 ltr, 3 ltr and 5 ltr

### COVERAGE

9 m<sup>2</sup>/ltr/coat at 110 micron wft (50 microns dft)

### GENERAL INFORMATION

**Shelf Life** 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

**Cleaning** Clean all equipments and tools with **Conmix Cleaner**.

### HEALTH and SAFETY

**PPE's** Gloves, goggles and suitable mask must be worn.

**Precautions** Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately.

**Hazard** Regarded as hazardous for air transportation.



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<b>Disposal</b>	Do not reuse containers. To be disposed off as per local rules and regulations.
<b>Additional Information</b>	Refer to MSDS. (Available on request.)

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<b>TECHNICAL SERVICE</b>	<b>CONMIX Technical Services</b> are available on request for onsite support to assist in the correct use of its products.
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Manufacturer:  
**CONMIX LTD.**  
 P.O. Box 5936, Sharjah  
 United Arab Emirates  
 Tel: +971 6 5314155  
 Fax: +971 6 5314332  
 Email: [conmix@conmix.com](mailto:conmix@conmix.com)

Sales Office:  
 Tel: +971 6 5682422  
 Fax: +971 6 5681442  
[www.conmix.com](http://www.conmix.com)



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