

## ConGuard ZR

Zinc Rich Primer for Steel Protection

### DESCRIPTION

**ConGuard ZR** is a heavy duty zinc rich steel protection coating formulated for use as a coating or as a primer on steel reinforcing prior to application of cementitious repair materials.

**ConGuard ZR**, is an electrically conductive coating. It is fully compatible with all RADIANT repairing mortars, micro concrete & grouts etc.

### USES

- Protective coating for steel reinforcing bars in concrete.
- As a primer for steel substrates prior to top coating.

### FEATURES & BENIFITS

- Positive protection of steel against corrosion.
- Excellent adhesion
- Easy application
- Low maintenance

### TECHNICAL DATA

Packaging	1 Ltr.
Color	Grey
Specific Gravity	2.30 @ 25 <sup>0</sup> C
Minimum application temperature	5 <sup>0</sup> C
Recoat time	4 Hours @ 25 <sup>0</sup> C
Recommended thickness per Coat	40 microns (Dry)
Coverage	7.5 m <sup>2</sup> Per Coat

### STANDARDS

**ConGuard ZR** is formulated to meet the scope of BS 4652

### DESIGN CRITERIA

One or two coats of **ConGuard ZR** are generally required depending on the nature and profile of the substrate. It is recoatable between 30 minutes to one hour.

Minimum application temperature for **ConGuard ZR** is 5<sup>0</sup> C.

### APPLICATION INSTRUCTIONS

#### Preparation:

All contacted surfaces must be free of oil, grease or other contamination which may inhibit bond. Any loose mill scale or rust should be removed by wire brushing or abrasive cleaning.

#### Mixing:

**ConGuard ZR** is a high solids zinc coating and may have settled slightly during storage and transportation. Mix well before use.

#### Application:

Apply **ConGuard ZR** by brush or roller at the rate of 7-7.5 m<sup>2</sup> Per Ltr. over the entire area selected. Allow the primer to dry for 4 hours before applying the second coat. Apply the second coat of **ConGuard ZR** in the same way as the first coat.

#### Curing:

**ConGuard ZR** is suitable for pedestrian traffic after 24 hours. Allow 7 days for full cure.

## **CLEANING**

Clean tools and equipment with RADIANT 103 Solvent or Xylene.

## **PACKGING**

**ConGuard ZR** is supplied in 1 Ltr. Container.

## **STORAGE**

**ConGuard ZR** is a solvent based product which must be stored in the original container with the lid firmly secured to avoid solvent loss.

## **HANDLING & STORAGE:**

**ConGuard ZR** has a shelf life of 12 months if kept in a dry cool place in the original packing. Store the packs in tightly closed containers, away from direct sunlight or sources of heat.

## **HEALTH & SAFETY PRECAUTIONS:**

Where temperatures is less than 5<sup>0</sup> C or greater than 40<sup>0</sup> C are encountered, contact our Technical Staff.

**Corrosive Liquid:** Corrosive to eyes.

Causes skin irritation, sensitization or chemical burns. Respiratory tract irritant. Use with adequate ventilation. Do not take internally. Keep out of reach of children. Wear protective gloves and safety glasses or goggles. All label precautions and MSDS must be fully understood before using this product.

## **TECHNICAL SERVICES:**

A trained RADIANT representative is available to assist in the preparation of specifications, and the resolution of concrete problems in the field.

## **Important Note:**

**RADIANT Construction Technologies** manufactures wide range of construction chemicals, including admixtures, concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, grouts & Tile Bond.

Separate Technical Data Sheets are available for these products.