

# PIOPRIME ZINC RICH

Single component epoxy Zinc rich primer

## DESCRIPTION

**PIOPRIME ZINC RICH** is a single component anti-corrosion primer for steel & other ferrous metals, consisting of a blend of synthetic resins, solvents & high content of zinc fillers that is designed to corrode sacrificially by the galvanic mechanism, therefore, providing an active protection layer that extends the life of the base metal.

## USAGES

- Protective primer for steel reinforcement
- Used in combination with a barrier topcoat system for exposed steel structures such as columns girders and trusses
- Metal surfaces in industrial and marine areas

## ADVANTAGES

- Excellent protective barrier to the steel from further corrosive attack
- High adhesion to steel and concrete
- Formulated for use with PIOREP repair range
- Single component product-easy to use with no restrictive pot-life
- Time saving-touch dry after 20 min
- Cost effective and ensures no waste

## TECHNICAL DATA

| PIOPRIME ZINC RICH                 | Typical values |
|------------------------------------|----------------|
| Zinc Content                       | 75%            |
| Non-Volatile Solids                | 46%            |
| Specific Gravity @30°C             | 2              |
| Working Time @30°C<br>(ASTM D2471) | 1-2 hours      |
| Touch Dry @30°C<br>(ASTM D2471)    | 20 min         |
| Recommended WFT                    | 100µ/coat      |
| Recommended #coats                 | Min 2 coats    |
| Overcoating Time @30°C             | 1.5 hours      |

## USAGE INSTRUCTIONS

### 1. Surface preparation

Long term durability and function can only be achieved with good preparation to give a strong adhesive & mechanical bond to the substrates.

Mechanically prepare steel surfaces to remove rust or other loose materials to provide a mechanical key for **PIOPRIME ZINC RICH**.

All steel surfaces to be coated should be abrasive blasted using a suitable blast medium to produce a minimum cleanliness of Swedish Standard SA 2.5 or equivalent, and a minimum 60µm angular profile. Remove residual blast debris and inspect the surface.

Once blast cleaned, the surface must be degreased, cleaned and all prepared surfaces must be coated before rusting or oxidation occurs.

| PIOPRIME ZINC RICH | Coverage                      |
|--------------------|-------------------------------|
| PIOPRIME ZINC RICH | 10 m <sup>2</sup> /liter/50µm |

### 2. Mixing

Stir the material thoroughly to mix any solid materials that may have settled at the bottom of the packaging, until a homogenous consistency is achieved.

### 3. Application

It is recommended to check the substrates before commencing works to ensure it is at least 3°C above dew point.

Apply **PIOPRIME ZINC RICH** using a brush or roller to the prepared surface to achieve approximately 50 microns DFT per coat.

Apply the second coat of **PIOPRIME ZINC RICH** in the same manner as the first, allowing 1-2 hours drying time between coats.

A minimum of 2 coat is recommended.

#### 4. Cleaning

Clean all tools and application equipment with a suitable thinner immediately after use. Hardener or cured material can be only removed mechanically or by hand tools.

## PACKAGING

**PIOPRIME ZINC RICH** is supplied in 1 liter can.

## HEALTH & SAFETY

Before applying **PIOPRIME ZINC RICH**, all safety protections should be worn during application, such as safety goggles and rubber gloves to avoid any harmful accidents.

If **PIOPRIME ZINC RICH** is splashed to skin, it must be removed, before it hardens, with resin removing cream follow by water and soap at once, and if to the eyes seek medical attention immediately.

## STORAGE & SHELF LIFE

**PIOPRIME ZINC RICH** shall be stored in its sealed container under dry and shaded place in a temperature from 10°C - 35 °C, shelf life of the material is 12-months.

### TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:  
concretedoctor@arkaz.com

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