

# MIXBUILD ZR

Zinc rich epoxy primer



## Introduction

**Mixbuild ZR** is an organic zinc primer recommended for use in new construction and maintenance. Excellent abrasion resistance minimizes transit and handling damages.

## Appropriation

Used in places where hi corrosion is prevalent  
Used as top coat for car parks  
Flooring primer for heavy duty floors  
Reinforcement bars  
MS tanks

## Characteristics

Easy to apply, high performance, anti corrosive primer  
Suitable for wide range of high performance topcoats  
Suitable for concrete reinforcement bar as primer  
Excellent adhesion to steel  
Fast drying can be over coated within a short time

## Technical Data and Properties

|                           |  |
|---------------------------|--|
| Standard Confirms to      | BS4664, 1971 type 2  |
| Typical Thickness         | 50 to 70 microns dry   |
| Volume Solids             | 60%  |
| Zinc content in dry films | >90%   |
| Resistance                | Intermittent at 200°C  |
| Dry temperature           | Continuous at 150°C  |
| Product Weight            | 2.19kg/l (mix)   |
| Thinner                   | Not Required   |
| Pot Life                  | 5°C, 12hrs<br>23°C, 10hrs<br>35°C, 6hrs                      |
| Drying Time               | Substrate touch dries hard                                   |
| Dry Temperature           | 5°C, 45mins, 2hr<br>23°C, 30mins, 1hr<br>35°C, 20mins, 30min |

## Product Management

**Surface preparation:** The surface to be coated must be clean and dry. Remove weld spatter, smooth weld seams and sharp edges of the surface to be coated. Oil and grease should be removed. Surface defects revealed by the blast cleaning process should be ground, filled or treated in the appropriate manner. Abrasive blast clean to AS 2 1/1 Swedish standard SIS 055900

Apply Mixbuild ZR to surfaces prepared in accordance with the specified Swedish standard. If oxidation has occurred the surface should be reblasted to the specified standard

**Shop primed steel work:** Weld seams or damaged areas should be blast cleaned. If the coated zinc shop primer shows extensive or widely scattered breakdown, overall sweep blasting will be necessary

**Coverage:** 5 to 7m<sup>2</sup>/litre depending upon the surface condition. 50 to 70 microns dry film thickness

**Mixing:** Single component unit, the product will settle in storage, it is advisable to stir the content before use.

## Method of application:

- Airless spray recommended
  - Tip range 0.43 to 0.53mm
  - Total output fluid pressure not less than 176kg/cm
  - Brush or roller
  - Suitable for touch up of small areas only
  - Prevent ionic spray
  - Use any suitable proprietary equipment with agitate paint
- Note: Mixbuild ZR is a fast drying material so rapid handling is necessary while applying

**Cleaning:** Tools should be cleaned with organic solvents immediately after use. Hardened materials can be cleaned mechanically only



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the construction chemist...

## Packing & Storage

Mixbuild ZR is available in 1ltr and 10 ltr units. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers/ storage tanks. Mixbuild ZR should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life

## Health & Safety

Mixbuild ZR contains no hazardous substances. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any contact to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each PyChem product

Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hand-on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity and porosity of substrate may impinge on values



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