

# ASIAN EZRP

## Organic Zinc Rich Epoxy

### PRODUCT DESCRIPTION

Two component, metallic zinc rich epoxy primer.

### FEATURES AND RECOMMENDED USE

- High performance anti-corrosive primer for steel
- Epoxy zinc rich primer designed with 80% zinc dust by weight in the dry film
- Good corrosion resistance in industrial and saline atmosphere
- Recommended as a system primer for highly aggressive environments

### TECHNICAL DATA

|   |   |
|---|---|
| Colour  | Grey  |
| Gloss   | Matt  |
| Volume Solids                                   | Approx. 60%   |
| Recommended DFT/ Coat                           | 75 - 125 microns  |
| Theoretical Coverage Capacity                   | 8.0 sq.mtr/ ltr @ 75 microns DFT<br>4.8 sq.mtr/ ltr @ 125 microns DFT   |
| Drying Time                                     | Surface Dry : 30 minutes<br>Hard Dry : 16 hours<br>Full Cure : 7 days   |
| Over coating interval with recommended topcoats | Min. : 3 hours<br>Max. : Unlimited, provided surface is free from any contamination, corrosion and zinc salt. |
| Method of Application                           | Air spray & Airless spray   |

The data given is for guideline only. The physical values are subject to normal manufacturing tolerances, colour and testing variances. The actual drying time/ overcoat interval may be shorter or longer, depending on film thickness, ventilation, humidity, temperature etc. The information provided above is at 30°C and 65% relative humidity.

### DIRECTIONS FOR USE

#### Surface Preparation

##### General:

- Surfaces must be dry, clean and free from contaminants
- Ensure removal of dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating  
Oil and grease should be removed as per SSPC - SP1 solvent cleaning
- Surface should be checked and treated in accordance with ISO 8504 prior to priming

##### Blast Cleaning:

- Steel, abrasive blast clean to min. Sa 2 ½ (ISO 8501-1:200) or SSPC-SP6. In case oxidation has occurred between blasting and application of Asian EZRP primer, the surface should be reblasted. A blasting profile of (Rz) 40-70 microns is recommended.

#### Application Conditions

- Substrate temperature should be at least 3°C above dew point but not above 50°C
- Relative humidity should be above 50%
- Good ventilation is required in confined areas to ensure proper curing

## Mixing

- Asian EZRP is supplied in two packs. Stir the base and hardener separately. If settling is observed in the base or hardener, loosen the settled material with the help of hand stirrer followed by power driven stirrer (at lower RPM) for quick homogenous mixing. Mix hardener gradually into the base under continuous stirring as per the mixing ratio. Once the unit has been mixed, it should be consumed within the working pot life. In case of part mixing (which should be avoided), close the lids of containers tightly to avoid contact with atmospheric moisture
- Thinner should be added after mixing the components and post the induction time. Addition of too much thinner will lead to reduced sag resistance.

|                                 |                         |
|---------------------------------|-------------------------|
| <b>Mixing Ratio (by volume)</b> | Base : Hardner<br>4 : 1 |
| <b>Induction Time</b>           | 15 minutes              |
| <b>Pot Life at 30°C</b>         | 3 Hours                 |

## Application

|                      |   |
|----------------------|---|
| <b>Brush/ Roller</b> | Not Recommended                                   |
| <b>Air Spray</b>     |   |
| Recommended thinner  | T - 141   |
| Volume of thinner    | 5 - 15%   |
| Nozzle orifice       | 1.5 - 3.00 mm                                     |
| Nozzle pressure      | 0.3 - 0.4 MPa<br>(= approx. 3-4 atm; 43-57 p.s.i) |
| <b>Airless Spray</b> |   |
| Recommended thinner  | T - 141   |
| Volume of thinner    | 0 - 15%   |
| Nozzle orifice       | 0.46 - 0.64 mm                                    |
| Nozzle pressure      | 15 MPa<br>(= approx. 150 atm; 2100 p.s.i)         |

## Cleaning

- Do not allow the product to remain in hoses, gun or spray equipment. Clean all equipments immediately after use with Thinner T 141.

## Product Characteristics

- Maximum film build in one coat is best attained by airless spray. When applying by air spray/ brush, it may be necessary to apply multiple coats to achieve the maximum specified dry film thickness
- To achieve a uniform, closed film at desired DFT, it will be necessary to thin Asian EZRP with recommended thinner. The film thickness must be compatible with the blast profile achieved during surface preparation. Low film thickness should not be applied over coarse blast profile
- Care should be take to avoid over application of DFT more than 150 microns which may result in cohesive film failure with subsequent high build coating. Over application will also result in slower curing and overcoating properties.
- Untopcoated Asian EZRP is not suitable for immersion in chemical / water use. Please consult Asian Paints PPG representative for further details

## Overcoating and Topcoats

- Zinc rich coatings are porous and hence pinholes may occur in the subsequent coat due to solvent popping. To minimise pinholes, apply a mist coat as the first pass of the subsequent coat, let the entrapped air escape and then apply full coat.
- Zinc rich primers, when exposed for extended periods of time without proper topcoating, will start showing white rust formation. These “white rust” spots are zinc corrosion products. The extent of white rust formation will depend on the period of exposure of the zinc rich coating and the nature of the surrounding environment. Prior to application of the subsequent coats, it is necessary to ensure removal of the white rust.
- Asian EZRP primer can be topcoated with Epoxy or Polyurethane paint as recommended by Asian Paints PPG representative.

|                               |  |
|-------------------------------|--|
| <b>PACK SIZE</b>              | 20 ltrs (Base: 16 ltrs in 20 ltr pack, Hardener: 4 ltrs in 5 ltr pack)   |
| <b>STORAGE</b>                | <b>Shelf Life:</b> Atleast 9 months @ 30°C for original unopened pack, subject to inspection thereafter. Store in a cool, dry place and in accordance with local regulations |
| <b>REGULATORY INFORMATION</b> | <b>Flash Point:</b> Base - Not less than 24°C; Hardener - Not less than 24°C<br><b>VOC:</b> 352 gm/ ltr as per USA - EPA Method 24<br><b>Product Weight:</b> 2.46 kg/ ltr    |

## SAFETY INFORMATION

- As a general safety measure, inhalation of solvent vapours or paint mist and contact of liquid paint with skin & eyes should be avoided. Forced ventilation should be provided when applying paint in confined spaces or stagnant air. Even when ventilation is provided, respiratory, skin and eye protection is always recommended while spraying paint
- Please refer our Material Safety Data Sheet prior to using the product



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