

## PRODUCT

## ZNP PRIMER

## DESCRIPTION

ZNP PRIMER is a two-component, solvent borne, epoxy resin primer. The resin component is pre-blended with zinc phosphate and pigments.

## PRODUCT FEATURES

- Active rust inhibitors provide reliable protection from corrosion for the treated steel.
  - Good flexibility - can accommodate movements in steel substrates.
  - Excellent chemical resistance.
  - Easy to apply by brush, roller or spray-gun.
  - Available in two colours to ensure correct two-coat coverage.
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- Corrosion protection of steel surfaces.
  - General steel deck protection.
  - Steel reinforcement protection in concrete structures.

## USES

## SPECIFICATIONS

- Form:	Two packs to be mixed immediately before using.
- Colours:	Yellow and reddish brown.
- Mixing ratio:	92 parts 'A' to 8 parts 'B' by weight.
- Density:	1,65 ± 0,05 gr/m <sup>3</sup> .
- Solids content:	78%.
- Viscosity:	300 - 400 mPas.
- Pot Life:	3 hours.
- Tack free time:	90 mins.
- Touch dry:	3 hours.
- Overcoating time:	24 hours.
- Full cure:	7 days.
- Adhesive strength on pretreated steel:	>3,0 MPa.
- Number of coats:	2.
- Consumption:	150 ÷ 250 gr./sq.m. per coat.
- Film thickness:	70 -110 micron per coat.
- Application temperature:	Not recommended when ambient and/or surfaces temperature is below +8°C and falling or exceeding 40°C.
- Application Temperature:	ZNP PRIMER is unaffected by constant or fluctuating temperatures from -30 °C to + 90 °C. The temperature may exceed the specified limits for short periods.
- Compatibility:	ZNP PRIMER can be applied as corrosion protection coating to all types of ferrous metals.
- Chemical resistance:	ZNP PRIMER is resistant to potable, sea and waste water as well as to diluted acids and alkalis, salt solutions, mineral oils and aliphatic hydrocarbons.
- Storage life:	18 months (minimum) if stored in the original, tightly sealed packs.
- Packing:	5 Kg. and 28 Kg Units



## HOW TO USE

### SURFACE PREPARATION

Surfaces must be sound, dry and free from dirt, grease, old paint residues, loose materials, rust or other contaminants. The recommended method of cleaning is grit-blasting to SA 2½.

### MIXING

Check uniformity of each component and stir parts "A" and "B" separately. Mix only the quantity of material that can be used before expiration of pot-life. For standard quantities, pour all of part "B" into can containing part "A". For smaller batches check uniformity of each component, stir parts "A" and "B" separately and thoroughly, measure the two components as specified on the packs, into a clean container, mix thoroughly using a mechanical low speed mixer and a paint mixing paddle until material attains uniform consistency and colour. Carefully scrape the sides and bottom of the containers while mixing. Thorough mixing will take 3 to 5 minutes.

### APPLICATION

Immediately after grit-blasting apply ZNP PRIMER with spray gun, roller (use a roller tray), or brush onto the prepared surface:

- Apply first coat evenly in a continuous film onto the surface. Consumption approx. 150 gr./sq.m.
- Within 6-24 hours apply the second coat of different colour onto the entire surface. Consumption approx. 150 gr./sq.m.
- Scatter dry silica sand (0,1-0,5 mm. Ø) onto the freshly applied coat (consumption: approx. 0,4 Kg/sq.m.).
- Further coatings or toppings can be applied after 24-48 hours depending on temperature.

## HANDLING AND TOXICITY

“A” and “B” Components for Industrial Use Only!

ZNP PRIMER is flammable. Good ventilation is necessary for indoor work and great care should be taken to avoid inhalation of vapour from heated material. Skin contact should be avoided by wearing impervious gloves (rubber or disposable polyethylene) and by using suitable goggles for eyes; barrier creams such as Kerodex K7 may also assist in offering additional protection. Any accidentally contaminated skin areas should be cleansed immediately with soap and water and/or a suitable resin removal cream. For eyes, clean with plenty of water and get medical attention immediately.

The use of solvents for skin cleansing should be avoided.

All information and direction contained in this technical data sheet are given in good faith and are based on the best known practical test.

SINIT when having no control over transport, storage, handling, use and application of its product, will disclaim any responsibilities for any unsatisfactory results obtained.

All tests have been carried out at 23 °C

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These data supersede all previously published data.

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