

**PRODUCT****ZNP PRIMER**  
**Silicate Zinc Epoxy Primer****DESCRIPTION**

ZNP PRIMER is two-component, solvent born, silicate zinc Epoxy Primer, with excellent adhesion and flexibility. Good abrasion and impact resistance.

**USES**

ZNP PRIMER has been specially formulated for use on steel, aluminium and galvanized steel.

High resistance to chemical agents, saline solutions and exposure to aggressive industrial and marine environment.

**SPECIFICATIONS**

- Classification UNI 8681:	Two packs, satin, solvent born epoxy primer, containing active pigments (B2.A.1.C.2.B.DA) to be mixed immediately before using.
- Colour:	Upon request.
- Film aspect EN 13300:	Satin G2 (< 10 gloss 85° > 60 gloss 60°)
- Thickness EN 13300:	Class A, fine (<100 µm) approx. 60 µm dry
- Theoretical spreading rate:	5-6 m <sup>2</sup> /kg
- Theoretical consumption:	170 g/m <sup>2</sup>
- Adhesion:	Cross cut test: ISO value = 0
- Mixing ratio:	4 parts "A" to 1 part "B" by weight.
- Specific gravity:	(A+B) 1600 ± 50 g/l
- Solids content:	(A+B) 70 ± 2 %.
- V.O.C.	435 g/l
- Pot Life:	>2 hours.
- Touch dry:	3-5 hours.
- Hard dry:	18 hours.
- Overcoating time:	20 - 36 hours
- Number of coats:	1-2.
- Surface preparation:	SA 2 ½
- Thinning:	0 - 8% if strictly required, Epoxy Thinner.
- Application temperature:	5° +50° C
- Service temperature:	Dry exposure 120°C
- Relative humidity	≤ 80%
- Storage life:	18 months (minimum) if stored in the original, tightly sealed packs.
- Packing:	1, 5 and 20 Kg. units.

**HOW TO USE****SURFACE PREPARATION**

Surfaces must be dry and free from rust, dust and dirt particles, oil, grease and other contaminants . The recommended methods of cleaning are (i) Steel - grit blasting SA 2 ½ Zinc and Aluminium – degreasing, followed by manual or mechanical cleaning.



## 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". Mix thoroughly using a mechanical low speed mixer with 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. For larger 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 and proceed as above.

## APPLICATION

Immediately after grit-blasting apply ZNP PRIMER by Spray-Airless-Brush.

Pump ratio 30:1

Nozzle orifice: 0,013 – 0.019 inches

Nozzle pressure 150-180 atm.

## CLEAN UP

Clean tools and equipment with Solvent OMNIA or toluente or acetone before curing occurs.

## HANDLING AND TOXICITY

"A" and "B" Component For Industrial Use Only!

S PRIMER is flammable and due precaution should be taken. 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, flush 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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