

## Two Components Zinc Phosphate Epoxy Primer For Steel.

### DEFINITION

**Novo Prime ZP 100** is two components epoxy primer based on zinc phosphate, Polyamide cured epoxy; where it is a very good anti-corrosion on steel surfaces.

### ADVANTAGES

1. Designed as system primer for various protective coating systems (epoxy, PU, acrylic, etc. ...)
2. Anti-corrosion coating for spot repair to steel bars of reinforced concrete.

### FIELDS OF USE

**Novo Prime ZP 100** is used for producing a high-quality primer epoxy to:

1. Protection ferrous metals from corrosion.
2. Economical anti-corrosion coating in industrial and marine coatings.
3. Anti-corrosion coating for spot repair to steel reinforcement of reinforced concrete.

### PROPERTIES @ 25 C°

<b>Color</b>	Gray (as customer require)
<b>Gloss</b>	semi-gloss
<b>Solid content by (WT)</b>	75 ± 2 %
<b>Solid content by (vol)</b>	54 ± 2 %
<b>Mixing Ratio</b>	7 A: 1 B
<b>Specific gravity (mix)</b>	1.60 ± 0.03
<b>Pot life</b>	4 hrs.
<b>Touch dry</b>	15 – 25 min
<b>Time between coats</b>	2 – 2.5 hrs.
<b>Temp. of Application</b>	(15 — 35) C°
<b>Full curing time</b>	7 days
<b>Recommended dft</b>	35 – 50 μ / one coat
<b>Rate of use</b>	6- 8 m <sup>2</sup> / kg / 50 MIC Dft
<b>Shelf life</b>	12 months in suitable storage conditions

### STORAGE

One year under suitable storage conditions.  
Avoid direct sun on storage. (10 – 27) C°

### PACKING

Group = 2.5 kg & 5 kg & 25 kg

#### NOVOCHEM S.AE

المقر الرئيس والمصنع

91.102.103 الجيزة - المنطقة الصناعية الثالثة - بلوك 91,102,103

Headquarters and Factory

Egypt - Giza - 6<sup>th</sup> of October City - 3<sup>rd</sup> Industrial Zone - Blocks 91,102,103

### DIRECTIONS OF USE

#### ✓ Steel surface preparation

- The substrate must be clean, sound and free from all contaminants that may affect the adhesion strength like dust, oils and grease, wax, and any other contaminants must be removed by blasting or suitable release agent.

- Steel blast cleaned to SIS-Sa2½:

#### ✓ Mixing and application

- **Add comp B** (ensure all liquid of comp B is added) to **comp A** and mix well manually or by using very slow mixer.

#### ✓ Application method

- **Novo Prime ZP 100** is applied by brush & roller or spray (*Air spray, Airless spray*).
- **Novo Prime ZP 100** is diluted by **Novo Sol 13** or **Novo Sol X2** not more than 20 % if required.

#### ✓ Application method

By brush & roller:

**Novo Sol 13** 0 – 5 %

Air spray:

**Novo Sol 13** 0 – 15 %

Airless spray application:

**Novo Sol 13** 0 – 20 %

according to dft required

- Nozzle orifice 0.43 - 0.48 mm.  
(0.017 - 0.019 inch)
- Nozzle pressure 15 Mpa.

Item	Min	Max	Act.
Film thickness dry. (μ)	50	60	55
Film thickness wet. (μ)	100	120	100
Rate of use Theo.(m <sup>2</sup> /L)	10.5	9	9.5
Recoat time (approx.)	3.50 – 4.00 hrs.		

### HEALTH AND SAFETY

- Wear protective clothes, gloves, glasses and face protection.
- Keep away from sources of agitation.
- No smoking during work.
- Good ventilations in case of spraying application.
- For skin contact, remove it with suitable cream followed by soap and water cleaning.
- For eye contact, rinse with plenty clean water then ask for medical advice.

Tel. : (+202) 369 182 33

Fax: (+202) 369 182 32

 www.novochem.net

 info@novochem.net

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