

## Two Components Zinc Metal Epoxy Primer For Steel.

### DEFINITION

**Novo Prime ZR 90** is two components epoxy primer based on zinc metal ; Polyamide cured epoxy; where it is a very good anti-corrosion on steel surfaces.

### ADVANTAGES

1. Quick drying can be over coated after short time.
2. Designed as system primer for various protective coating systems (epoxy, PU, acrylic, etc. ...)
3. Anti - corrosion coating for spot repair to steel bars of reinforced concrete.
4. Can be spraying applied up to 75µm dft.

### FIELDS OF USE

**Novo Prime ZR 90** is used as:

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
4. reinforcement of reinforced concrete.

### PROPERTIES @ 25 C°

<b>Color</b>	Gray
<b>Gloss</b>	semi-gloss
<b>Zinc Content by (wt.)</b>	80 - 90
<b>Mixing Ratio</b>	7 A: 1 B
<b>Specific gravity (mix)</b>	1.94 ± 0.03
<b>Pot life</b>	2 hrs.
<b>Time of recoat</b>	2 – 2.5 hrs.
<b>Time between coats</b>	2 hrs.
<b>Temp. of Application</b>	(15 — 35) C°
<b>Full curing time</b>	7 days
<b>Solid Content by (volume)</b>	60 %
<b>Rate of use</b>	8-10 m <sup>2</sup> / kg / 50 MIC Dft
<b>Shelf life</b>	12 months in suitable storage conditions

### 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 ZR90** is applied by brush & roller or spray (Air spray, Airless spray).
- **Novo Prime ZR 90** is diluted by **Novo Sol X2** not more than 10 % if required.

#### ✓ Application method

By brush & roller:

**Novo Sol X2** 0 – 5 %

Air spray:

**Novo Sol X2** 0 – 15 %

Airless spray application:

**Novo Sol X2** 0 – 20 %

according to dft required

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

#### Item

<i>Film thickness dry. (µ)</i>	54	60	72
<i>Film thickness wet. (µ)</i>	90	100	120
<i>Rate of use Theo.(m<sup>2</sup>/L)</i>	10	9	8

Note:

• Zinc metal primers can form zinc sails on the surface so it is preferred not to weather for long periods before top coating.

• In marine and industrial conditions, the over coating interval should be reduced 10 min. • Removing any contamination on the surface by high pressure water cleaning or mechanical cleaning.

#### NOVOCHEM S.AE

المقر الرئيس والمصنع

مصر - الجيزة - مدينة السادس من أكتوبر - 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

Tel. : (+202) 369 182 33

Fax: (+202) 369 182 32

 www.novochem.net

 info@novochem.net

  Novochem



## STORAGE

One year under suitable storage conditions.

Avoid direct sun on storage. (10 – 27) C°

## PACKING Group

2.5 kg & 5 kg (as customer require)

## 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

### NOVOCHEM S.AE

#### المقر الرئيس والمصنع

مصر – الجيزة – مدينة السادس من أكتوبر – 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

Tel. : (+202) 369 182 33

Fax: (+202) 369 182 32

 [www.novochem.net](http://www.novochem.net)

 [info@novochem.net](mailto:info@novochem.net)

  Novochem

