



# ZINKY-26 EPOXY ZINC PRIMER 65

TECHNICAL DATA SHEET

## PRODUCT DESCRIPTION

**Zinky-26 Epoxy Zinc Primer 65** is a two-pack epoxy zinc primer. It provides excellent corrosion resistance with hard, abrasion and weathering resistant film. The level of zinc dust by weight present in the dried film conforms to SSPC-Paint 20 (Level 3). The type of zinc dust used complies with ASTM D 520 (Type II).

## INTENDED USE

It is designed as a primer for long-life protection on steel surfaces of bridges, tanks external, harbor machinery, underground pipelines, water equipments used in corrosive environments.

## GENERAL PROPERTIES

<b>Colour</b>	: Grey
<b>Gloss Level</b>	: Matt
<b>Volume Solids, %</b>	: 60 ± 2%
<b>Specific Gravity</b>	: 2.24 kg/l (Mixed)
<b>Flash point</b>	: Base: 23°C    Hardener: 23°C    Mix: 23°C
<b>VOC</b>	: 423 g/L (EPA Method 24)
<b>Typical Thickness</b>	: 50 – 80 µm dry film : 83 – 133 µm wet film

## SURFACE PREPARATION

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

### Abrasive Blast Cleaning

Abrasive blast cleaning to Sa 2½ (ISO 8501-1:2007). For optimum performance, blast cleaned to SSPC-SP10 with a surface profile of 50 – 75 microns (2 – 3 mils). If oxidation has occurred between the blasting and application of this product, the surface should be re-blasted to the specified visual standard. Surface defect revealed by the blast cleaning process should be ground, filled or treated in the appropriate manner.

### Shop Primer Surface

This product is suitable for application to the unweathered steelwork freshly coated with zinc silicate shop primers. If the zinc shop primer shows extensive or widely scattered breakdown or excessive zinc corrosion, overall sweep blasting will be necessary. Other types of shop primer are not suitable for over coating and will required complete removal by abrasive blast cleaning. Weld seams and damaged areas should be blast cleaned to Sa 2½ (ISO 8501-1:2007).



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## Damaged Area

Damage area should be prepared with abrasive blast cleaning to Sa 2½ (ISO 8501-1:2007). When abrasive blasting in small area is not possible, mechanical cleaning to St 3 (ISO 8501-1:2007) is acceptable. After the surface preparation, repair the damaged area using Zinky-26.

Zinky-26 Epoxy Zinc Primer should be applied over a surface that is dry and free from oil & other contaminations. It must be applied within the overcoating intervals specified (refer to application section for details).

## Other Surfaces

The coating may be used on other substrates. Please contact your local Nippon Paint office for more information.

### CONDITION DURING APPLICATION

Avoid paint application when the temperature is below 10°C above 45°C and relative humidity is over 85%. The temperature of steel surface must be a minimum 3°C above dew point of surrounding air.

### APPLICATION GUIDE

<b>Mixing Ratio</b>	: Base : Hardener = 3 : 1 (by volume) Base and hardener should be mixed thoroughly before use.
<b>Pot Life</b>	: 25°C 6 hours
<b>Theoretical Coverage</b>	: 12.0 m <sup>2</sup> /litre at 50 µm DFT 7.5 m <sup>2</sup> /litre at 80 µm DFT
<b>Thinner</b>	: Hi-Pon Epoxy Thinner

### APPLICATION METHOD

Airless spray is recommended for application. Brush and roller are recommended for stripe coating and small areas. Care must be taken to achieve the specified dry film thickness.

### APPLICATION DETAILS

<b>Airless Spray</b>	: Tip Size	: 0.015" – 0.021"
	: Pressure at nozzle	: 120 – 150 kg/cm <sup>2</sup>
<b>Typical Thickness</b>	: 50 – 80 µm dry film	
	: 83 – 133 µm wet film	
<b>Drying Time</b>	: Substrate Temperature	: 10°C    25°C    40°C
	: Surface Dry	: 1 hr    0.3 hr    0.2 hr
	: Through Dry	: 8 hrs    3 hrs    2 hrs



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Cured	: 14 days	7 days	3 days
Dry to recoat (min)	: 8 hrs	3 hrs	2 hrs
Dry to recoat (max)*	: 3 mths	3 mths	3 mths

\*Consult Nippon Paint for extended requirement

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

\* Consult Nippon Paint for extended requirement

### RECOMMENDED PAINTING SYSTEM

The following coating systems are recommended for Zinky-26 Epoxy Zinc Primer 65:

#### Intermediate

- Hi-Pon 20-04 STE 80
- Hi-Pon 20-04 STE IM 80
- Hi-Pon 30-02 Epoxy MIO 80
- Hi-Pon 30-03 Epoxy Midcoat 80

#### Topcoat

- Hi-Pon 40-02 Epoxy Top Coat
- Hi-Pon 40-04 Epoxy Top Coat
- Hi-Pon 50-01 Polyurethane Top Coat
- Hi-Pon 50-03 Polyurethane Top Coat
- Hi-Floro 6738 Fluorocarbon Top Coat

For the choice of coating system for different application, refer to the product brochure or contact Nippon Paint for professional recommendation.

### PACKAGING

Unit	Base		Hardener	
	Vol	Container Size	Vol	Container Size
10 L	7.5 L	20 L	2.5 L	5 L

### STORAGE

**Shelf life** : Part A: 12 months (25°C)  
Part B: 12 months (25°C)

Subject to re-inspection thereafter. Higher temperature during storage may reduce the shelf life and may lead to gelling in the tin. Frequent temperature cycles may also shorten the shelf life.



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Store in tightly closed container in a dry, cool and well ventilated space, keep away from sources of heat and ignition.

## SAFETY PRECAUTION

- This product is intended for use of professional applicators. Refer to the safety information display on the container and in the safety data sheet (SDS) before using the product.
- Use this product in well-ventilated area, avoid skin contact, spillage on the skin should immediately be removed with suitable cleanser, soap and water.
- Eye should be well flush with water and seek for medical attention immediately upon contact with this product.
- During the application, naked flame, welding operation and smoking is not allowed. Adequate ventilation should be provided.
- If you have any doubt regarding the suitability of use, refer to Nippon Paint for further advice.

## DISCLAIMER

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