

# EPOXY ZINC RICH PRIMER

## ZINKY #200Z-HB(H)

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### 1. DESCRIPTION

ZINKY #200Z-HB(H) is a two-component epoxy zinc rich primer, based on polyamide cured epoxy resin and high content of pure zinc dust.

The cured film is excellent in anti-corrosion, oil and weather resistance, adhesion and other physical properties.

It is used as a shop primer as well as other purpose anti-corrosive primer in the field of steel structures.

When used as a shop primer, it is recommended that a maximum of 20 microns dry film thickness should be formed.

### 2. USES

Shop primer for construction such as steel ship plate, bridges, sectional steel, car plate and other steel members & plate needing flame cutting and welding after priming.

### 3. PHYSICAL CONSTANTS

1) Color and gloss	: Grey-flat
2) Solids by volume	: 50 ± 2 %
Solids by weight	: 82 ± 2 %
3) Specific gravity	: 2.40 ± 0.1 (kg/ℓ)
4) Theoretical spreading rate	: 16.66 m <sup>2</sup> /ℓ - 30 μm
5) Flash point	: 10 °C/50 °F (closed cup)
6) Dry to touch	: 10 ~ 20 minutes (at 20 °C/68 °F) - 20 μm
Fully cured	: 1 week (at 20 °C/68 °F)
7) Shelf life	: 6 month (at 20 °C/68 °F)
8) VOC	: 430 g/ℓ - 3.7 lbf/gal

### 4. APPLICATION DETAILS

1) Mixing ratio	: Base to hardener 93 : 7 (by weight)
	: Base to hardener 5 : 1 (by volume)
2) Thinning ratio	: 10 ~ 30 % (volume) airless spray
	: 40 ~ 60 % (volume) air spray
3) Thinner No.	: Thinner 600
4) Pot life	: 20 hours (at 20 °C/68 °F)
5) Nozzle orifice	: 0.017 ~ 0.021 inch
Nozzle pressure	: 150 bar/2100 PSI

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## 5. SURFACE PREPARATION

Abrasive blasting to SSPC - SP - 10 (SIS, Sa 2½ )

## 6. PAINT PREPARATION

- 1) Stir to be mixed uniformly before use.
- 2) Keep correct mixing ratio.
- 3) Mixed paint should be used within pot life.

## 7. RECOATING INTERVAL

Clean the surface thoroughly before recoating.

Minimum : 6 hours (at 20 °C/68 °F)

No maximum for adhesion, but should be recoated before deterioration.

## 8. APPLICATION CONDITIONS

Avoid coating under low temperature and high humidity, because it may result in poor curing.

Apply only on a dry and clean surface with a temperature above 5 °C/41 °F.

The surface must be dried and should keep temperature above the dew point.

In a confined area, sufficient ventilation is necessary during application and drying to assist evaporation of solvent.

## 9. PRECAUTION

This product is combustible.

- 1) Keep away from heat and open flame.
- 2) Keep container closed.
- 3) Use with adequate ventilation.
- 4) Avoid prolonged breathing of vapor.
- 5) Avoid prolonged and repeated contact with skin.
- 6) Store in a cool and dark place.