

JB-TDS Epoxy Zinc Phosphate Primer



Product Description :

This two-component product is mainly prepared by epoxy resin, ultra-fine zinc powder, zinc chromate and polyamide as curing agent. This product features:

- Sealing property
- High adhesion
- Extending substrate using life
- Excellent resistance to heat, rust and corrosion.

Typical Uses :

This heavy anti-corrosion primer provides a cathodic protection layer in a wide range of industrial situations as:

- Machinery&Engineering facilities
- Pipelines
- Storage tanks
- Bridges & ships
- Steel structure

Basic Technical Datasheet :

Appearance	Grey, custom made
Density, kg/L	~1.4
Volume solid, %	≥ 60
Flash point, °C	27
Mature period, h	0.5
Pot life, h	8
Theoretical spreading rate, kg/m ²	
@ 60μm dry film	0.2

* HG/T standard

Substrate Treatment:

All surface shall be clean, dry and free from any contamination to achieve long lasting function.

- Carbon Steel
- Minimum St 3 (ISO 8501-1)
Optimum Sa 2½ (ISO 8501-1)

- Primed steel
- Blasted to Sa 2 (ISO 8501-1)

Instructions for Use:

- Mixing
- Mix part A and part B as 24:4 by weight. Slowly add part B into part A and

ensure mixed completely.

- Thinner:
X-7 Epoxy paint thinner ≤ 10 % w./w.

- Cleaner:
X-7 Epoxy paint thinner

- Application methods:

Airless spray (recommended) : Nozzle tip: 0.015-0.021 inch, minimum 150 bar/2100 psi.

Brush: recommended for small areas only.

Roller: recommended for small areas only.

- Drying time:

	5 °C	23 °C	40 °C
To touch/h	-	≤ 2	-
To handle/h	-	≤ 24	-
To cure/d	-	7	-

Data tested under controlled temperature and relative humidity below 85%

Cautions:

Apply in good weather. The substrate temperature shall be in the range of 0-40 °C, and at least 3 °C over dew point to avoid condensation. Also, ensure apply at humidity below 85%.

Compatibility:

	Product	Thickness
Primer:	Epoxy Zinc Phosphate Primer	60 μm
Midcoat:	Epoxy mica iron oxide paint	60 μm
Topcoat:	Aliphatic polyurethane finish paint	60 μm

Please consult JIANBANG technician for specific system recommendation

Color Variation:

Color may vary from batch to batch. JIANBANG ensures color variation ΔE≤0.2. Suggest use the same batch to achieve best color consistency.

Application Considerations:

- Use ready mixed paint within 8 hours after mixing part A and part B to avoid solidification.
- Substrate temperature should be at least 3 °C over dew point.
- Do not apply in rainy, snowy days or relative humidity over 85 %.

Packaging:

Part A: 24 kg in an iron bucket.

Part B: 4 kg in an iron bucket.

Shelf Life:

Part A: 12 months Part B: 12 months

If exceeding shelf life, the products shall be tested before using.

Storage:

According to the regulations, this product should be stored in dry, cool, ventilated warehouse away from fire and heat. The package must be kept airtight and handled carefully.

Safety:

Read safety direction on package carefully. Operate this product in ventilated condition, avoid over inhaling paint mist or spills on skin or eyes. If any coating splashes on skin, rinse with proper detergent or soap water. If splash into eyes by accident, call emergency medical service immediately. Check more safety details in SDS document.