ANTICORROSIVE COATINGS · EPOXY

Unepox Primer ZP 2K

Solvent-based epoxy zinc phosphate primer for steel

COLOUR
RAL 7047
anticorrosive primer

1.30 g/cm³	49 %	½–1 h	8 h	6 m²/kg
Mass density (mixed)	Solids (by volume)	Touch dry (20 °C)	Pot life (20 °C)	at 80 µm DFT

Product description

UNEPOX PRIMER ZP 2K is a two-component, polyamide-cured, high-build epoxy zinc phosphate primer. It is a general-purpose primer in anticorrosive coating systems for steel and can be overcoated with alkyd, chlorinated rubber, epoxy and polyurethane systems.

Principal characteristics

- General-purpose epoxy primer in anticorrosive systems for steel
- Good adhesion to steel, galvanised steel and aluminium
- Good adhesion to non-ferrous metals
- Suitable on wet blast-cleaned substrates for short to medium-term protection during storage and construction

Advantages

- Cures down to +5 °C
- Long pot life
- Good water and corrosion resistance
- Overcoatable with alkyd, CR, epoxy and PU
- High-build film
- Airless, air spray, brush or roller

Position in the system

Topcoat
Alkyd · chlorinated rubber · epoxy · PU

Anticorrosive primer — THIS PRODUCT
UNEPOX PRIMER ZP 2K · 80 µm DFT

Substrate
Steel Sa 2½ / St 3 · galvanised steel · aluminium

Anticorrosive systems

Epoxy primer for steel and non-ferrous metals

ISO Sa 2½ · St 3
Recommended surface preparation

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Technical data (at +20 °C)

Colour	**RAL 7047**	Overcoating interval	**min. 24 h – max. 48 h**
Mass density (mixed, 20 °C)	**approx. 1.30 g/cm³**	Full cure	**7 days**
Solids (by volume)	**approx. 49 %**	Pot life (20 °C)	**8 h**
Viscosity	**312 cP**	Mixing ratio (by weight)	**5 base : 1 hardener**
Touch dry (20 °C)	**½–1 h**	Spreading rate	**6 m²/kg at 80 µm DFT**
Curing time	**24–36 h**	Shelf life	**12 months**

Application procedure

01

Surface preparation

Immersion: steel blast-cleaned to ISO Sa 2½. Atmospheric: preferably Sa 2½ or St 3. Clean galvanised steel of grease, salts and contamination.

02

Mixing

Mix base and hardener 5 : 1 by weight; mixed material above +10 °C. Add thinner only after mixing base and hardener.

03

Application

Airless or air spray: 0–20 % **UP-002 Thinner**. Brush or roller: 0–10 %. Too much solvent causes sagging.

04

Overcoating

Overcoat after min. 24 h, max. 48 h at 20 °C. Full cure after 7 days.

Mixing ratio (by weight)

5 parts | **1 part**

5 parts
Base – epoxy resin

1 part
Hardener – polyamide

Packed as 3.25 kg base + 0.65 kg hardener.

Application conditions
above +5 °C
Surface temperature at least 3 °C above dew point; mixed material above +10 °C.

Spreading rate
6 m²/kg
Theoretical, at 80 µm average dry film thickness.

Pot life
8 h
At +20 °C.

Important: add thinner only after mixing base and hardener – too much solvent causes sagging.

Points to consider

- Airless spray: **UP-002 Thinner**, 0–20 % depending on thickness and conditions.
- Air spray: **UP-002 Thinner**, 0–20 %.
- Brush or roller: **UP-002 Thinner**, 0–10 %.
- Surface temperature above +5 °C and at least 3 °C above dew point.

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Packaging

- 3.25 kg base + 0.65 kg hardener in cans

Storage

- Store in sealed containers indoors in dry premises at +14…+35 °C.
- Shelf life: 12 months from production in a cool, dry place.

Safety

- Component A contains epoxy resin, component B alkali amide – may cause skin sensitisation.
- Ensure adequate ventilation, especially when heated or sprayed.
- Wear protective clothing, goggles, mask and gloves; avoid eye and skin contact.
- Keep containers closed; wash hands and equipment after use.

Cleaning

- Cleaning solvent: UP-002 Thinner.

LEGAL NOTE

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