

NovepoX 951 Primer

TECHNICAL DATA SHEET

Description of the product

NOVEPOX PRIMER 951 is a 2-component epoxy based anticorrosive primer. It contains zinc chromate. It is used for the protection of surfaces exposed to extreme conditions (industrial environment, constant contact with liquids, etc).

Recommended uses

It is used for the protection of metal constructions before the use of an epoxy based or a polyurethane based topcoat.

Technical characteristics

Resin: Component A: Epoxy resin

Component B: Polyamide resin

Density (A+B): 1.36±0.04 gr/ml

(EN ISO 2811.01, 20°C)

Production viscosity (A+B): 7±2 poise

(ISO 2884.2, 20°C)

Solids b.w. (A+B): 74±2%

(EN ISO 3251)

Solids b.v. (A+B): 52±2%

(ISO 3233)

Flash point: A: 25±2°C, B: 21±2°C

(EN ISO 1523)

VOC (Volatile Organic Compounds): **NOVEPOX PRIMER 951** belongs to the category A/j SB (Two-pack reactive performance coating). EU Limit Value: 500 g/l. The ready to use product contains max. 499 g/l.

Shades

Red-brown.

Properties

Gloss 60°/85°: 60±5/75±5

(EN ISO 2813)

Adhesion (Cross Cut on metal): 0

(EN ISO 2409)

Hardness (König): 95±10 sec, after 7 days

(EN ISO 1522)

Impact test: in/out: 40±2/20±2 inch/pounds

(EN ISO 6272)

Bend test (Mandrel): 3 mm OK

(EN ISO 1519)

Resistance to Salt Spray (DFT: 55±10 µm):

(EN ISO 7253)

Excellent protection for at least 500 hours

Spreading rate

Dry film thickness per coat: 55±10 µm.

Spreading rate: 6±1 m²/kg, per coat.

Application instructions

Surfaces must be dry, clean from oils, dust and flaking parts must be removed. The surfaces are then sand papered. For stabilizing or removing rust from metal surfaces we recommend the application of **CHROTEX PRERUST** and **RUSTABIL** respectively. **NOVEPOX PRIMER 951** is applied in 1-2 coats.

Mixing ratio: 4A:1B b.w.

Pot life: > 8 hours (10°C), > 8 hours (20°C), ~ 6 hours (30°C) (EN ISO 9514).

Application method: Brush, roller, spray.

Diluent: E-1900.

Thinning: For application with brush, roller: Dilute 2% b.w. [Application viscosity: 45±5 sec (DIN 53211/4 mm, 20°C)].

For spraying: Dilute 4-6% b.w. [Application viscosity: 20-25 sec (DIN 53211/4 mm, 20°C), Nozzle size: 1.5-1.8 mm, Air pressure: 2-2.5 atm].

Tools are cleaned immediately after the application with solvent E-1900, soap and water.

Drying time

Set-to-touch: 30±10 minutes (ASTM D 1640).

Dry through: 3±½ hours.

Recoating time: After 12 hours.

Complete hardening: After 2-3 days.

Drying and recoating time may be prolonged under conditions of low temperature and high relative humidity.

Coating system

NOVEPOX PRIMER 951 is an anticorrosive primer applied before the epoxy-based topcoat **NOVEPOX**. For even better results, mainly for exterior surfaces, it is recommended to apply a polyurethane based topcoat, such as **BOATLAC**.

Other systems may be applied, depending on the application.

Packaging

Component A is available in 1 Kg and 4 Kg cans. Component B is available in 0.25 Kg and 1 Kg cans.

Storage

1 year for Components A and B, provided the cans remain closed and in normal storing conditions.

Health and safety

Please refer to the labeling on the can. In case more information is needed refer to the Material Safety Data Sheet.

Notes

- It is recommended to avoid the application of the product at temperatures below 10°C, greater than 35°C and relative humidity higher than 70%.
- Oxidized surfaces need to be sandblasted (to Sa 2-2½).
- If after the application of **NOVEPOX PRIMER 951** more than 24 hours elapse, it is recommended to sandpaper the surface before applying **NOVEPOX**.

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