

Gridox

TECHNICAL DATA SHEET



Description of the product

GRIDOX is a zinc chromate free anticorrosive primer, based on air-drying alkyd resins. It is recommended for the protection of metal surfaces. It has exceptional adhesion and offers long-lasting and excellent anticorrosive protection.

Recommended uses

It is used for the protection of metal surfaces and as an undercoat for alkyd enamel paints such as **MOBILAC, MARTELEX**.

Technical characteristics

Resin: Alkyd

Density: 1.52±0.04 gr/ml (EN ISO 2811.01, 20°C)

Production Viscosity: 7±1 poise (ISO 2884.2, 20°C)

Storage viscosity: < 10 poise (ISO 2884.2, 20°C)

Solids b.w.: 71.5±2% (EN ISO 3251)

Solids b.v.: 48±2% (ISO 3233)

Flash point: 27±2°C (EN ISO 1523)

VOC (Volatile Organic Compounds): **GRIDOX** belongs to the category A/i SB (One pack performance coatings). EU Limit Value: 500 g/l. The ready to use product contains max. 499 g/l.

Shades

Grey.

Properties

Adhesion (Cross Cut): 1-2 (EN ISO 2409)
As a system with MOBILAC: 1-3

Hardness (König): 55±10 sec, after 7 days (EN ISO 1522)

Impact Test: In/out 30±4/0-4 inch/pounds (EN ISO 6272)

Bend test (Mandrel): 2-3 mm OK (EN ISO 1519)

Resistance to Salt Spray: 50±5 µm: Very good protection for at least 400 hours (EN ISO 7253)

Sag Resistance (undiluted): 250±25 µm (ASTM D 4400)

Spreading rate

Dry film thickness per coat: 45±5 µm.

Spreading rate: 10.5±1.5 m²/Lt per coat.

Application instructions

Surfaces are cleaned either with sandblasting or by sand papering from rust, oil, abrasive residues, old paint, etc. For removing or stabilizing the rust, apply **PRERUST** or **RUSTABIL** respectively. **GRIDOX** is applied in 1-2 coats.

Application method: Brush, spray.

Diluent: CHROTEX BRUSH SOLVENT or CHROTEX SPRAY SOLVENT, depending on the application method.

Thinning: For application with brush: Dilute up to 5% v/v.

For spraying: Dilute up to 15% v/v. [Application viscosity: 50±10 sec (DIN 53211/4 mm, 20°C), Nozzle size: 1.5-1.8 mm, Air pressure: 2-3 atm].

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

Drying time

Dry to touch: 11±5 minutes (ASTM D 1640).

Dry through: 5±1 hours.

Recoating Time: after at least 6 hours.

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

Coating system

After the application of GRIDOX apply an alkyd based enamel as top coat, such as MOBILAC, MARTELEX.

Other systems may be applied, depending on the application.

Packaging

Available in 0.75 Lt and 2.5 Lt cans.

Storage

1 year, provided the cans remain closed and in normal storing conditions.

Health and safety

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

Notes

- It is recommended to avoid application of the product at temperatures below 10°C, greater than 36°C and relative humidity higher than 85%.

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This issue replaces all others*

