

Redox

TECHNICAL DATA SHEET



Description of the product

REDOX is a zinc chromate free anticorrosive alkyd-based primer. It offers long-lasting anticorrosion protection, has excellent adhesion and elasticity on metal surfaces and exceptional resistance to corrosive conditions (e.g. marine environment).

Recommended uses

It is used as an anticorrosive primer on metal surfaces. Alkyd-based enamel paints (**MOBILAC**, **ULTRALAC**, **MARTELEX**) are used as the top coat.

Technical characteristics

Resin: Alkyd	
Density: 1.52±0.04 gr/ml	(EN ISO 2811.01, 20°C)
Production viscosity: 7.5±1 poise	(ISO 2884.2, 20°C)
Storage viscosity: < 10 poise	(ISO 2884.2, 20°C)
Solids b.w.: 70.5±2%	(EN ISO 3251)
Solids b.v.: 47±2%	(ISO 3233)
Flash point: 28±2°C	(EN ISO 1523)

VOC (Volatile Organic Compounds): **REDOX** 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

Red-brown.

Properties

Adhesion (Cross Cut): 45±5 µm: 0-1	
<i>As a system with MOBILAC:</i> 1-3 (1 coat REDOX + 1 coat MOBILAC)	(EN ISO 2409)
Hardness (König): 65±10 sec, after 7 days	(EN ISO 1522)
Impact test: In/out 30±4/0-2 inch/pounds	(EN ISO 6272)
Bend test (Mandrel): 2-3 mm OK	(EN ISO 1519)
Sag Resistance (undiluted): 275±25 µm	(ASTM D 4400)
Resistance to Salt Spray: 45±5 µm: Very good protection for at least 400 hours.	
<i>As a system with MOBILAC:</i> Very good protection for at least 700 hours. (1 coat REDOX + 1 coat MOBILAC)	(EN ISO 7253)

Spreading rate

Dry film thickness per coat: 45±5 µm.
Spreading rate: 10.5±1m²/Lt, per coat.

Application instructions

Surfaces are thoroughly cleaned with sandblasting or with good sand-papering, from rust, oil, abrasive residues, old paints, etc. For removing or stabilizing the rust, apply **PRERUST** or **RUSTABIL** respectively. **REDOX** 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 10% v/v. [Application viscosity: 65±15 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: 15±5 minutes (ASTM D 1640).

Dry Through: ≤6 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 **REDOX** apply an alkyd-based paint, such as **MOBILAC, ULTRALAC, MARTELEX.**

Other systems may be applied, depending on the application.

Packaging

It is 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 **NOT** to apply 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*

