

2K-Deripox Grund BBV 687.

Two component primer with active anti-corrosive pigments (zinc-phosphate and zinc-oxide) on epoxy resin basis, chemical cured with polyamine adduct

- Field of application**
- Systems for corrosion protection according to the German TL/TP-Korr steel construction specification
 - Primer for high rust protection requirements, as well for zinc surfaces
 - According to sheet 87 of the German TL/TP- Korr steel construction specifications

- Product properties**
- Resistance to chemicals (on request)
 - Resistance to mineral oils
 - Recoatability: with epoxy paints (2K Deripox)
 - Recoatability: with polyurethane paints (2K Derocryl)

Technical Specification

Colours	RAL 1002 (687.02) , RAL 8012 (687.06).
Flash point	>23 °C
Temperature stability	Up to 200 (short-term up to 250) °C
Gloss	Silky mat
Potential dry film thickness in one working process	80 up to 100 µm
Mixing ratio	Hardener HL 500
(Basis:hardener) by weight	6:1
(Basis:hardener) by volume	3,5:1
Pot life in hours	12
Viscosity	Thixotrope
Density in kg/l	1,5
Solid content in %	73
Solid volume in %	54
Theoretical spreading capacity	<ul style="list-style-type: none"> • 6,75 m²/l at 80 µm DFT • 4,5 m²/kg at 80 µm DFT
Recommended film thickness	150 µm WFT corresponds to 80 µm DFT
Drying (DIN EN ISO 1517)	80 µm DFT
Dust-dry (Tg1)	After 50 min
Touch-dry (Tg4)	After 3 h
Dry (Tg6)	After 5 h
Cured chemically	After 7 days
Interval for overcoating	<ul style="list-style-type: none"> • after 24 h with two component Derocryl topcoats • after 6 h with two component Deripox topcoats • Max. after 12 months without slightly sanding
Note	<ul style="list-style-type: none"> • The specifications are related to the prepared mixture and are based on standard atmospheric conditions 23/50, DIN 50014. • Lower temperatures and/or higher humidity will prolong drying and hardening. • Application below +5 °C is not possible. • Using winter quality application is possible nearly to frost temperature. Application only on steel supports possible.
Safety information (See Security Data Sheet)	
VOC-level	Appr. 421 g/l

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Solvent content Appr. 27 % by weight

Aromatic content Appr. 24 % by weight

Storage

- Storage
- In dry, cool rooms, if possible frost-proof
 - Ensure good ventilation
- Shelf life
- 6 month from date of delivery when in unopened original containers in cool and dry conditions

Application methods

- Mixing ratio
- Stirr homogeneous, preferably with mechanical stirrer
 - Mix base paint and hardener according to the mixing ratio as specified
- Airless spraying
- Flow pressure 180 bar
 - Nozzle size 0,013 - 0,015 inch (0,33 - 0,38 mm)
 - Spraying angle according to the geometry and size of the object to be laquered
 - If required (two component: after mixing) using 5% Deripox-Verdünnung (687.150) is possible
- Compressed air spraying
- Spraying pressure 5 - 6 bar
 - Nozzle size 1,8 - 2,2 mm
 - Adjust to spraying viscosity (appr. 60 s DIN 4 mm) adding appr. 10 % Deripox-Verdünnung (687.150) (two component products: after mixing)
- Electrostatic application
- Application is possible provided that the material is diluted
- Dipping
- Can not be applied as delivered
- Other methods
- Roller and brush application is possible in the quality as delivered
- Thinner
- Max. 10% Deripox-Verdünnung (687.150)
- Cleaning
- Rinse immediately with Deripox-Verdünnung (687.150)
- Preparation of support**
- Shot blasting to a purity according to SA 2½
 - If necessary clean with high pressure-cleaner and turbo-cleaner-solution
 - Sweeping for zincated supports
 - Mill scale, welding residues, dust, soluble residues from chemical pretreatments and zinc reaction products which might reduce adhesion have to be carefully and thoroughly removed
- General remarks**
- During coating and drying the humidity should be min. 10 % / max. 85 %
 - During coating and drying the environmental temperature should be min. 5°C / max. 30°C
 - Object temperature at least 3° C above dew point.
- Example for a system**
- Primer coat: 2K-Deripox Grund BBV 687.
 - Intermediate coat:
 - Finish coat: 2K-Derocryl Lack 687.

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