

2K-Deripox EG BBV 687.

Two component intermediate coating with micaceous iron oxide on epoxy resin basis, chemical cured with polyamine adduct

- Field of application**
- Corrosion protection systems acc TL/TP-Corr steel structures. Intermediate coating for high corrosion protection requirements.
 - This product is approved by the BAST for journal 87 TL/TP -Corr steel structures.

- Product properties**
- High Solid
 - Resistance to chemicals (on request)
 - Resistance to mineral oils
 - Coating systems for low temperatures
 - Abrasion resistance
 - Recoatability: with two component topcoats

Technical Specification

Colours	DB 702 (687.12) , DB 703 (687.13) , DB 601 (687.14). Colour deviation (Colour deviations may occur in the range of high temperatures due to the restricted temperature resistance of the pigments)
Flash point	>23 °C
Temperature stability	-40 up to 200 (short-term up to 250) °C
Gloss	Silky mat
Potential dry film thickness in one working process	80 up to 120 µm
Mixing ratio	Hardener HL 500
(Basis:hardener) by weight	6:1
(Basis:hardener) by volume	3:1
Pot life in hours	12
Viscosity	Thixotrope
Density in kg/l	1,72
Solid content in %	79
Solid volume in %	58
Theoretical spreading capacity	<ul style="list-style-type: none"> • 4,83 m²/l at 120 µm DFT • 2,81 m²/kg at 120 µm DFT
Recommended film thickness	200 µm WFT corresponds to 120 µm DFT
Drying (DIN EN ISO 1517)	100 µm DFT
Dust-dry (Tg1)	After 70 min
Touch-dry (Tg4)	After 5 h
Dry (Tg6)	After 15 h
Cured chemically	After 7 days
Accelerated drying	30 min. at 60°C possible, after 10 min. flash-off time
Interval for overcoating	<ul style="list-style-type: none"> • after 20 h universal • after 10 h with two component Derocryl topcoats • Max. after 6 months without slightly sanding

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- Note
- 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.
 - 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. 403 g/l
Solvent content	Appr. 21 % by weight
Aromatic content	Appr. 19 % 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 intensively with mechanical stirrer
 - Mix base paint and hardener according to the mixing ratio as specified
- Airless spraying
- Flow pressure 180 bar
 - Nozzle size 0,017 - 0,023 inch (0,43 - 0,58 mm)
 - Spraying angle according to the geometry and size of the object to be laquered
- 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 not possible
- 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 zined 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: 2K-Deripox EG BBV 687.
 - Finish coat: 2K-Derocryl Lack 687.

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Product group: EZ3996