

2K-Derocryl Lack EE

Two component topcoat with chromate-free anti-corrosive pigments (zinc-phosphate) on acrylic resin basis, chemical cured with poly-isocyanate (polyurethane).

Field of application

- Protection against corrosion for iron and steel
- Topcoat for high rust protection requirements, if required suitable as an one-coat paint system on aluminium and zinc surfaces.

Product properties

- Contains zincphosphate
- Resistance to chemicals (on request)
- Resistance to mineral oils
- Industrial uv-resistance
- Fast drying
- Recoatable with itself

Technical Specification

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| Colours | RAL 5010 , RAL-colour chart with exceptions, apart from RAL 9006/9007. |
| Flash point | >23 °C |
| Temperature stability | Up to 120 (short-term up to 150) °C |
| Gloss | Silky mat, appr. 20 U in 60° angle |
| Potential dry film thickness in one working process | 40 up to 60 µm |
| Mixing ratio | Hardener HL 106 |
| (Basis:hardener) by weight | 8:1 |
| (Basis:hardener) by volume | 6:1 |
| Pot life in hours | 3 |
| Viscosity | Appr. 60 sec running time (DIN 4 mm pot) |
| Density in kg/l | 1,24 |
| Solid content in % | 59 |
| Solid volume in % | 42 |
| Theoretical spreading capacity | <ul style="list-style-type: none"> • 10,5 m²/l at 40 µm DFT • 8,47 m²/kg at 40 µm DFT |
| Recommended film thickness | 100 µm WFT corresponds to 40 µm DFT |
| Drying (DIN EN ISO 1517) | 40 µm DFT |
| Dust-dry (Tg1) | After 30 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 5 h with itself |
| 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. |

Safety information (See Security Data Sheet)

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| VOC-level | Appr. 508 g/l |
| Solvent content | Appr. 41 % by weight |
| Aromatic content | Appr. 26 % by weight |

Storage

2K-Derocryl Lack EE

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|-------------------------------|---|
| Storage | <ul style="list-style-type: none"> • In dry, cool rooms, if possible frost-proof • Ensure good ventilation |
| Shelf life | <ul style="list-style-type: none"> • 6 month from date of delivery when in unopened original containers in cool and dry conditions |
| Application methods | |
| Mixing ratio | <ul style="list-style-type: none"> • Stirr homogeneous, preferably with mechanical stirrer • Mix base paint and hardener according to the mixing ratio as specified |
| Airless spraying | <ul style="list-style-type: none"> • Flow pressure 180 bar • Spraying angle according to the geometry and size of the object to be laquered |
| Compressed air spraying | <ul style="list-style-type: none"> • Spraying pressure 3 - 5 bar • Nozzle size 1,5 - 1,8 mm • Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 5 % Derocrylverdünnung (two component products: after mixing) |
| Electrostatic application | <ul style="list-style-type: none"> • Application is possible, provided that the material is set to the appropriate conductance for the system concerned |
| Dipping | <ul style="list-style-type: none"> • Can not be applied as delivered |
| Other methods | <ul style="list-style-type: none"> • Roller and brush application for repair work is possible |
| Thinner | <ul style="list-style-type: none"> • Max. 10% Derocrylverdünnung |
| Cleaning | <ul style="list-style-type: none"> • Rinse immediately with Derocrylverdünnung |
| Preparation of support | <ul style="list-style-type: none"> • Shot blasting to a purity according to SA 2½ • If necessary clean with high pressure-cleaner and turbo-cleaner-solution • 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Primer coat: 2K-Derocryl Haftgrund EE • Finish coat: 2K-Derocryl Lack EE |

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Product group: PD0001