

2K-Deripox Protec ZP

Rapid drying two component on epoxy resin basis, chemical cured with polyamine adduct. Free of lead, cadmium and chromium VI compounds

Field of application

- Protection against corrosion for iron steel and galvanized steel.
- Coating system with 2K-Derocryl Lack 70 ST certified for corrosion protection category C5 high (ILF 200417).
- It is possible to spray 3 layers a day.
- Using even at low temperatures.

Product properties

- High Solid
- Resistance to chemicals (on request)
- Resistance to mineral oils
- High surface hardness
- Fast drying
- Fast recoatability
- Recoatability: with two component topcoats

Technical Specification

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| Colours | redbrown , light-grey, grey. Other colours upon request. |
| Flash point | >23 °C |
| Temperature stability | -40 up to 200 °C |
| Gloss | Silky mat |
| Potential dry film thickness in one working process | 80 up to 160 µm |
| Mixing ratio | Hardener HL 560 |
| (Basis:hardener) by weight | 9:1 |
| (Basis:hardener) by volume | 4,7:1 |
| Pot life in hours | 2 |
| Viscosity | Thixotrope |
| Density in kg/l | 1,6 |
| Solid content in % | 82 |
| Solid volume in % | 66 |
| Theoretical spreading capacity | <ul style="list-style-type: none"> • 8,25 m²/l at 80 µm DFT • 5,16 m²/kg at 80 µm DFT |
| Recommended film thickness | 125 µm WFT corresponds to 80 µm DFT |
| Drying (DIN EN ISO 1517) | 80 µm DFT |
| Dust-dry (Tg1) | After 30 min |
| Touch-dry (Tg4) | After 2 h |
| Dry (Tg6) | After 3 h |
| Cured chemically | After 7 days |
| Interval for overcoating | <ul style="list-style-type: none"> • after 3 h with two component topcoats |
| 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. • It is possible to use this material to limit frost temperature (possibly solvents are necessary). |

Safety information (See Security Data Sheet)

2K-Deripox Protec ZP

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| VOC-level | Appr. 299 g/l |
| Solvent content | Appr. 19 % by weight |
| Aromatic content | Appr. 12 % by weight |
| Storage | |
| 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 Nozzle size 0,015 - 0,019 inch (0,38 - 0,48 mm) 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 5 - 6 bar Nozzle size 1,6 - 1,8 mm Adjust to spraying viscosity (appr. 60 s DIN 4 mm) adding appr. 10 % Deripox-Verdünnung (two component products: after mixing) |
| Electrostatic application | <ul style="list-style-type: none"> Application is possible provided that the material is diluted |
| 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 is possible in the quality as delivered |
| Thinner | <ul style="list-style-type: none"> Max. 10% Deripox-Verdünnung |
| Cleaning | <ul style="list-style-type: none"> Rinse immediately with Deripox-Verdünnung |
| Preparation of support | <ul style="list-style-type: none"> Shot blasting to a purity according to SA 2½ Sweeping for zincd supports Mill scale, welding residues, dust and dirt on the surface 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. 30 % / 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-Deripox Protec ZN Intermediate coat: 2K-Deripox Protec ZP Finish coat: 2K-Derocryl Lack 80 HS |

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Product group: EG4002351000