

2K-Deripox Lack EE 30

Two component coating on epoxy resin basis, chemical cured with polyamidoamin adduct.

Field of application

- Protection against corrosion for iron and steel and zinc supports.
- Topcoat for high rust protection requirements.
- Applicable as coloured primer or one coat paint system.
- Two pack performance coating for specific use according dekopaint directive.

Product properties

- High Solid
- Silicon-free
- Resistance to weak bases
- Resistance to mineral oils
- Resistance to synthetic hydraulic oils
- High surface hardness

Technical Specification

Colours	RAL 5010 , RAL-colour chart with exceptions, apart from RAL 9006/9007. Other colours upon request. 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 °C	
Gloss	Silky mat, appr. 20 U in 60° angle	
Potential dry film thickness in one working process	60 up to 100 µm	
Mixing ratio	Hardener HL 500	Hardener HL 510 (Winterhärter)
(Basis:hardener) by weight	6:1	7:1
(Basis:hardener) by volume	5:1	4,5:1
Pot life in hours	8	3
Viscosity	Thixotrope	Thixotrope
Density in kg/l	1,34	1,36
Solid content in %	72	73
Solid volume in %	56	57
Theoretical spreading capacity	<ul style="list-style-type: none"> • 7 m²/l at 80 µm DFT • 5,22 m²/kg at 80 µm DFT 	<ul style="list-style-type: none"> • 7,13 m²/l at 80 µm DFT • 5,24 m²/kg at 80 µm DFT
Recommended film thickness	150 µm WFT corresponds to 80 µm DFT	150 µm WFT corresponds to 90 µm DFT
Drying (DIN EN ISO 1517)	80 µm DFT	80 µm DFT
Dust-dry (Tg1)	After 50 min	After 20 min
Touch-dry (Tg4)	After 3 h	After 90 min
Dry (Tg6)	After 5 h	After 3 h
Cured chemically	After 7 days	After 4 days
Interval for overcoating	<ul style="list-style-type: none"> • after 6 h with itself 	<ul style="list-style-type: none"> • after 3 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. • Using winter quality application is possible nearly to frost temperature. Application only on steel supports possible. 	

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Safety information (See Security Data Sheet)

VOC-level	Appr. 370 g/l	
Solvent content	Appr. 28 % by weight	Appr. 27 % by weight
Aromatic content	Appr. 21 % 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 - 200 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 is possible
Compressed air spraying	<ul style="list-style-type: none"> Spraying pressure 5 - 6 bar Nozzle size 1,5 - 2 mm Adjust to spraying viscosity (appr. 30 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. 15% 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 If necessary clean with high pressure-cleaner and turbo-cleaner-solution Sweeping for zinced 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	<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-Deripox Grund 60 HS Finish coat: 2K-Deripox Lack EE 30

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Product group: ED0003