

2K-Derocryl Lack MS

Two component topcoat on acrylic resin basis, chemical cured with poly-isocyanate (polyurethane)

- Field of application**
- Protection against corrosion for iron and steel and zinc surfaces.
 - Topcoat for high rust protection requirements, if required applicable as an one-coat paint system.
 - Two pack performance coating for specific use according dekopaint directive.

- Product properties**
- Medium Solid
 - Silicon-free
 - Resistance to light acids
 - Resistance to condensation
 - Scratch resistance
 - Good UV-stability
 - Good gloss stability
 - Fast drying
 - Recoatable with itself

Technical Specification

Colours	RAL 5010 , RAL-colour chart with exceptions. Other colours upon request.
Flash point	>23 °C
Temperature stability	-20 up to 120 °C
Gloss	Glossy, appr. 70 U in 60° angle
Potential dry film thickness in one working process	60 up to 80 µm
Mixing ratio	Hardener HL 106
(Basis:hardener) by weight	5:1
(Basis:hardener) by volume	4:1
Pot life in hours	4
Viscosity	Appr. 20 sec running time (DIN 6 mm pot)
Density in kg/l	1,24
Solid content in %	62
Solid volume in %	47
Theoretical spreading capacity	<ul style="list-style-type: none"> • 5,88 m²/l at 80 µm DFT • 4,74 m²/kg at 80 µm DFT
Recommended film thickness	175 µm WFT corresponds to 80 µm DFT
Drying (DIN EN ISO 1517)	80 µm DFT
Dust-dry (Tg1)	After 60 min
Touch-dry (Tg4)	After 5 h
Dry (Tg6)	After 8 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 6 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.

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Safety information (See Security Data Sheet)

VOC-level	Appr. 467 g/l
Solvent content	Appr. 38 % by weight
Aromatic content	Appr. 28 % 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 0,011 - 0,014 inch (0,28 - 0,36 mm) Spraying angle according to the geometry and size of the object to be laquered Do not exceed wetfilm thickness of 275 µm (blistering)
Compressed air spraying	<ul style="list-style-type: none"> Spraying pressure 4 - 6 bar Nozzle size 1,8 - 2 mm Adjust to spraying viscosity (appr. 50 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 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% 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 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. 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-Derocryl Haftgrund MS Finish coat:

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Product group: PD4035