

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.

2K-Derocryl Lack MS

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 % Derocryl-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% Derocryl-Verdünnung
Cleaning	<ul style="list-style-type: none"> Rinse immediately with Derocryl-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. 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:

The general information and descriptions contained in this specification are provided to the best of our knowledge. Our information and specifications do not constitute warranted characteristics in the legal sense. Any advice for preparation and application which may be provided verbally, in writing or by means of experiments is of general nature only, and any property rights of third parties are also to be regarded in this context. Our general instructions do not release you from your obligation to check the suitability of the products supplied by our company for the intended methods and purposes of application. Particular in those cases when our supplied material will be applied with products from other sources. The products are prepared, applied and used outside of our sphere of control and thus fall solely within the user's scope of responsibility.

Our general terms of sale and delivery apply as agreed.

Product group: PD4035