

2K-Derocryl Lack HS matt

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

- Field of application**
- Protection against corrosion for iron and steel.
 - Adhesion on aluminum and galvanised 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.
 - Colour RAL 9006/9007 with hardener 106 (mr 9:1).

- Product properties**
- High Solid
 - Silicon-free
 - Contains zincphosphate
 - Resistance to light acids
 - Scratch resistance
 - High UV-stability
 - High surface hardness
 - Fast drying
 - Fast curing
 - Recoatable with itself

Technical Specification

Colours	RAL 5010 , RAL-colour chart with exceptions. Other colours upon request.
Flash point	>23 °C
Temperature stability	Up to 120 °C
Gloss	Mat, appr. 10 U in 60° angle
Potential dry film thickness in one working process	60 up to 120 µm
Mixing ratio	Hardener HL 115
(Basis:hardener) by weight	15:1
(Basis:hardener) by volume	11:1
Pot life in hours	2
Viscosity	Appr. 40 sec running time (DIN 6 mm pot)
Density in kg/l	1,34
Solid content in %	68
Solid volume in %	51
Theoretical spreading capacity	<ul style="list-style-type: none"> • 6,38 m²/l at 80 µm DFT • 4,76 m²/kg at 80 µm DFT
Recommended film thickness	125 µm WFT corresponds to 60 µm DFT
Drying (DIN EN ISO 1517)	80 µm DFT
Dust-dry (Tg1)	After 45 min
Touch-dry (Tg4)	After 2,5 h
Dry (Tg6)	After 4 h
Cured chemically	After 4 days
Interval for overcoating	<ul style="list-style-type: none"> • after 1 h with itself • Max. after 20 h without slightly sanding

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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)	
VOC-level	Appr. 428 g/l
Solvent content	Appr. 32 % by weight
Aromatic content	Appr. 20 % 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 0,013 - 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% Derocrylverdünnung is possible
Compressed air spraying	<ul style="list-style-type: none"> Spraying pressure 2 bar Nozzle size 1,3 - 2 mm Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 10 % Derocrylverdünnung (two component products: after mixing)
Electrostatic application	<ul style="list-style-type: none"> Application is possible provided that the material is diluted Application is possible, provided hardener HL 106 is used Conductance of the material: 1000 kOhm
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 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 MS Finish coat: 2K-Derocryl Lack HS matt

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Product group: PD4014