

2K-Derocryl Lack 80 HS

Two component topcoat on acrylic resin basis, chemical cured with poly-isocyanate (polyurethane). Free of lead, cadmium and chromium VI compounds

Field of application

- Protection against corrosion for iron and steel and zinc surfaces
- One-coat paint system with a good rust protection.
- Two pack performance coating for specific use according dekopaint directive.

Product properties

- High Solid
- Resistance to mineral oils
- Good weather resistance
- Industrial uv-resistance
- Good elasticity
- Recoatable with itself

Technical Specification

Colours **RAL5010**, RAL-colour chart with exceptions, apart from RAL 9006/9007. Other colours upon request.

Flash point >23 °C

Temperature stability -20 up to 120 (short-term up to 150) °C

Gloss Glossy, appr. 70 U in 60° angle

Potential dry film thickness in one working process Up to 150 µm

Mixing ratio **Hardener HL 401**

(Basis:hardener) by weight 9:1

(Basis:hardener) by volume 6,5:1

Pot life in hours 2,5

Viscosity Appr. 25 sec running time (DIN 6 mm pot)

Density in kg/l 1,39

Solid content in % 75

Solid volume in % 60

Theoretical spreading capacity

- 6 m²/l at 100 µm DFT
- 4,32 m²/kg at 100 µm DFT

Recommended film thickness 150 µm WFT corresponds to 90 µm DFT

Drying (DIN EN ISO 1517) 100 µm DFT

Dust-dry (Tg1) After 90 min

Touch-dry (Tg4) After 7 h

Dry (Tg6) After 15 h

Cured chemically After 7 days

Interval for overcoating

- after 12 h with itself

Note

- 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. 348 g/l

Solvent content Appr. 25 % by weight

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Aromatic content	Appr. 19 % 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 - 0,015 inch (0,28 - 0,38 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 3 - 5 bar • Nozzle size 1,3 - 1,6 mm • Adjust to spraying viscosity (appr. 40 s DIN 4 mm) adding appr. 10 % Derocrylverdünnung (two component products: after mixing)
Electrostatic application	<ul style="list-style-type: none"> • Can be applied as delivered • Conductance of the material: 700 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 for repair work is possible
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 zined 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 HS • Finish coat: 2K-Derocryl Lack 80 HS

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Product group: PD4188