

2K-Derocryl Lack DecontClear

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

Field of application

- High gloss durable Clearcoat
- Good Overspray absorbtion
- High sagging restance
- Proved Decontamination according DIN 25415:2012
- For Brush and Rollapplication add 2% Rolladditiv (ZM0036..)
- A car repair version with <420g/l solvent is available.

Product properties

- High UV-stability
- Good gloss stability
- High surface hardness
- Good elasticity
- Fast drying

Technical Specification

Colours	Clearcoat.
Flash point	>23 °C
Temperature stability	Up to 120 (short-term up to 150) °C
Gloss	High glossy, appr. 90 U in 20° angle
Potential dry film thickness in one working process	20 up to 60 µm
Mixing ratio	Hardener HL 106
(Basis:hardener) by weight	1:1
(Basis:hardener) by volume	1:1
Pot life in hours	2
Viscosity	Appr. 20 sec running time (DIN 4 mm pot)
Density in kg/l	1
Solid content in %	50
Solid volume in %	44
Theoretical spreading capacity	<ul style="list-style-type: none"> • 11 m²/l at 40 µm DFT • 11 m²/kg at 40 µm DFT
Recommended film thickness	100 µm WFT corresponds to 40 µm DFT
Drying (DIN EN ISO 1517)	40 µm DFT
Dust-dry (Tg1)	After 90 min
Touch-dry (Tg4)	After 6 h
Dry (Tg6)	After 8 h
Cured chemically	After 7 days
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. 500 g/l
Solvent content	Appr. 50 % by weight
Aromatic content	Appr. 25 % by weight

Storage

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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 - 210 bar • Nozzle size 0,009 - 0,011 inch (0,23 - 0,28 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 2 bar • Nozzle size 1,3 - 1,6 mm
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 is inadvisable
Thinner	<ul style="list-style-type: none"> • Max. 5% Derocrylverdünnung
Cleaning	<ul style="list-style-type: none"> • Rinse immediately with Derocrylverdünnung
Preparation of support	<ul style="list-style-type: none"> • If necessary clean with high pressure-cleaner and turbo-cleaner-solution • Clean primer of the coating system
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"> • Clear laquer: 2K-Derocryl Lack DecontClear

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Product group: PD0029