2K-Derocryl Lack DTM Rapid LV

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

Field of application

- For C2 high range 60 microns DFT.
- Easy and smooth in application.

Product properties

- High Solid
- Silicon-free
- Resistance to mineral oils
- Industriel uv-resistance
- Good gloss stability
- Fast drying
- Fast curing
- Recoatable with itself

Technical Specification

Colours	**RAL 5010** , 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	Silky mat, appr. 15 U in 60° angle	
Potential dry film thickness in one working process	60 up to 100 µm	
Mixing ratio	**Hardener HL 401**	**Hardener HL 115**
(Basis:hardener) by weight	14:1	11:1
(Basis:hardener) by volume	10:1	7,5:1
Pot life in hours	3	3
Viscosity	Appr. 60 sec running time (DIN 4 mm pot)	Appr. 50 sec running time (DIN 4 mm pot)
Density in kg/l	1,42	1,4
Solid content in %	71	70
Solid volume in %	54	53
Theoretical spreading capacity	• 9 m²/l at 60 µm DFT • 6,34 m²/kg at 60 µm DFT	• 8,83 m²/l at 60 µm DFT • 6,31 m²/kg at 60 µm DFT
Recommended film thickness	125 µm WFT corresponds to 70 µm DFT	125 µm WFT corresponds to 70 µm DFT
Drying (DIN EN ISO 1517)	80 µm DFT	60 µm DFT
Dust-dry (Tg1)	After 30 min	After 25 min
Touch-dry (Tg4)	After 2,5 h	After 2 h
Dry (Tg6)	After 4 h	After 4 h
Cured chemically	After 7 days	After 7 days
Accelerated drying	30 min. at 60°C possible, after 10 min. flash-off time	30 min. at 60°C possible, after 10 min. flash-off time
Interval for overcoating	• after 6 h with itself	• after 6 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.	

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Hillerser Straße 8 · 37154 Northeim
Telefon +49 (0) 5551 / 97940 · Telefax +49 (0) 5551 / 979430
info@dr-demuth.com

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Safety information (See Security Data Sheet)

VOC-level	Appr. 406 g/l	
Solvent content	Appr. 29 % by weight	Appr. 30 % by weight
Aromatic content	Appr. 16 % by weight	

Storage

Storage	• In dry, cool rooms, if possible frost-proof • Ensure good ventilation
Shelf life	• 6 month from date of delivery when in unopened original containers in cool and dry conditions

Application methods

Mixing ratio	• Stirr homogeneous, preferably with mechanical stirrer • Mix base paint and hardener according to the mixing ratio as specified
Airless spraying	• Flow pressure 210 bar • Nozzle size 0,013 - 0,017 inch (0,33 - 0,43 mm) • Spraying angle according to the geometry and size of the object to be laquered • If required (two component: after mixing) using 3% Derocryl-Verdünnung is possible
Compressed air spraying	• Spraying pressure 2 bar • Nozzle size 1,6 - 2 mm • Adjust to spraying viscosity (appr. 45 s DIN 4 mm) adding appr. 10 % Derocryl-Verdünnung (two component products: after mixing)
Electrostatic application	• Application is possible provided that the material is diluted • Conductance of the material: 800 kOhm
Dipping	• Can not be applied as delivered
Other methods	• Roller and brush application for repair work is possible
Thinner	• Max. 10% Derocryl-Verdünnung
Cleaning	• Rinse immediately with Derocryl-Verdünnung
Preparation of support	• Shot blasting to a purity according to SA 2½
General remarks	• 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	• Finish coat: 2K-Derocryl Lack DTM Rapid

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Product group: PD4471

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