

2K-Derocryl Lack EG 687.

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

Field of application

- Systems for corrosion protection according to the German TL/TP-Korr steel construction specification
- Topcoat for very high rust protection requirements
- According to sheet 87 of the German TL/TP- Korr steel construction specifications

Product properties

- High Solid
- Resistance to chemicals (on request)
- Resistance to mineral oils
- Good weather resistance
- Industriel uv-resistance
- Recoatable with itself

Technical Specification

Colours	DB 702 (687.72) , DB-colour charts (upon request). Other colours upon request.
Flash point	>23 °C
Temperature stability	-20 up to 120 (short-term up to 150) °C
Gloss	Silky mat, appr. 20 U in 85° angle
Potential dry film thickness in one working process	Up to 80 µm
Mixing ratio	Hardener HL 401
(Basis:hardener) by weight	10:1
(Basis:hardener) by volume	7:1
Pot life in hours	8
Viscosity	Thixotrope
Density in kg/l	1,5
Solid content in %	77
Solid volume in %	60
Theoretical spreading capacity	<ul style="list-style-type: none"> • 7,5 m²/l at 80 µm DFT • 5 m²/kg at 80 µm DFT
Recommended film thickness	150 µm WFT corresponds to 90 µm DFT
Drying (DIN EN ISO 1517)	80 µm DFT
Dust-dry (Tg1)	After 70 min
Touch-dry (Tg4)	After 5 h
Dry (Tg6)	After 15 h
Cured chemically	After 7 days
Interval for overcoating	<ul style="list-style-type: none"> • after 5 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.
Safety information (See Security Data Sheet)	
VOC-level	Appr. 385 g/l
Solvent content	Appr. 23 % by weight

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Aromatic content	Appr. 18 % 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 0,015 - 0,017 inch (0,38 - 0,43 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 5 - 6 bar • Nozzle size 1,8 - 2,3 mm • Adjust to spraying viscosity (appr. 60 s DIN 4 mm) adding appr. 5 % Derocryl-Verdünnung (687.151) (two component products: after mixing)
Electrostatic application	<ul style="list-style-type: none"> • Application is not possible
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 • Double application is possible in viscosity as delivered
Thinner	<ul style="list-style-type: none"> • Max. 5% Derocryl-Verdünnung (687.151)
Cleaning	<ul style="list-style-type: none"> • Rinse immediately with Derocryl-Verdünnung (687.151)
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-Deripox Grund BBV 687. • Intermediate coat: • Finish coat: 2K-Derocryl Lack EG 687.

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Product group: PD0996