

Derilux EG

Topcoat with chromate-free anti-corrosive pigments (micaceous iron oxide) on alkyd resin basis

- Field of application**
- Protection against corrosion for iron and steel. Topcoat in a multi-layer system in corrosive atmosphere. Agree with VOC directive for one-pack performance coatings.

- Product properties**
- Good weather resistance
 - Recoatable with itself

Technical Specification

Colours	DB 702. Other colours upon request.
Flash point	>23 °C
Temperature stability	Up to 150 °C
Gloss	Silky mat
Potential dry film thickness in one working process	Up to 80 µm
Viscosity	Thixotrope
Density in kg/l	1,35
Solid content in %	65
Solid volume in %	43
Theoretical spreading capacity	<ul style="list-style-type: none"> • 5,38 m²/l at 80 µm DFT • 3,99 m²/kg at 80 µm DFT
Recommended film thickness	200 µm WFT corresponds to 90 µm DFT
Drying (DIN EN ISO 1517)	80 µm DFT
Dust-dry (Tg1)	After 90 min
Touch-dry (Tg4)	After 6 h
Dry (Tg6)	After 48 h
Interval for overcoating	<ul style="list-style-type: none"> • after 12 h with itself
Note	<ul style="list-style-type: none"> • The specifications are based on standard atmospheric conditions 23/50, DIN 50014. • Lower temperatures and/or higher humidity will prolong drying and hardening.

Safety information (See Security Data Sheet)

VOC-level	Appr. 463 g/l
Solvent content	Appr. 35 % 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

- Airless spraying**
- 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

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Compressed air spraying	<ul style="list-style-type: none">• Spraying pressure 5 - 6 bar• Nozzle size 1,8 - 2 mm• Adjust to spraying viscosity (appr. 60 s DIN 4 mm) adding appr. 5 % KH-Verdünnung (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
Thinner	<ul style="list-style-type: none">• Max. 10% KH-Verdünnung
Cleaning	<ul style="list-style-type: none">• Rinse immediately with KH-Verdünnung• Residues are dissolvable with Derozink-Verdünnung
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 and dirt on the surface 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:• Finish coat: Derilux EG

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Product group: KD3006