

Derilux EPE 60

Top coat on epoxy-ester resin basis with aluminum pigments

Field of application

- Protection systems against corrosion for iron and steel with high temperatures.
- Adhesion on aluminium and zinc-coated supports.
- Agree with VOC directive for one-pack performance coatings.

Product properties

- Silicon-free
- Resistance to mineral oils
- Good elasticity

Technical Specification

Colours	RAL 9006. Colour deviation (Colour deviations may occur in the range of high temperatures due to the restricted temperature resistance of the pigments)
Flash point	>23 °C
Temperature stability	-20 up to 200 °C
Gloss	Satin glossy
Potential dry film thickness in one working process	40 up to 50 µm
Viscosity	Thixotrope
Density in kg/l	0,98
Solid content in %	41
Solid volume in %	34
Theoretical spreading capacity	<ul style="list-style-type: none"> • 8,5 m²/l at 40 µm DFT • 8,67 m²/kg at 40 µm DFT
Recommended film thickness	125 µm WFT corresponds to 40 µm DFT
Drying (DIN EN ISO 1517)	40 µm DFT
Dust-dry (Tg1)	After 40 min
Touch-dry (Tg4)	After 150 min
Dry (Tg6)	After 48 h
Cured chemically	After 7 days
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. 576 g/l
Solvent content	Appr. 59 % by weight
Aromatic content	Appr. 56 % 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

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Airless spraying	<ul style="list-style-type: none">• Flow pressure 150 - 180 bar• Nozzle size 0,011 inch (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 5 - 6 bar• Nozzle size 1,2 - 1,6 mm• Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 5 % Derozink-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 for repair work is possible
Thinner	<ul style="list-style-type: none">• Max. 10% Derozink-Verdünnung
Cleaning	<ul style="list-style-type: none">• Rinse immediately with Derozink-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• 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• Clean primer of the coating system
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: Derogrund EPE• Intermediate coat:• Finish coat: Derilux EPE 60

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