

Derozink Alu

Anti-corrosive zinc rich primer on epoxy-ester resin basis

Field of application

- Protection against corrosion for iron and steel
- Repaircoating for gavanised construction.

Product properties

- Overcoatability: do not overcoat with itself
- Recoatability: with single-component topcoats
- Recoatability: with aromatic free topcoats (critical when by overpainting with aromatic content topcoats(wrinkling))

Technical Specification

Colours

ca. RAL 9006.

Other colours upon request.

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

Up to 300 °C

Gloss

Mat

Potential dry film thickness in one working process

Up to 40 µm

Viscosity

Appr. 60 sec running time (DIN 4 mm pot)

Density in kg/l

2,2

Solid content in %

77

Solid volume in %

41

Theoretical spreading capacity

- 10,25 m²/l at 40 µm DFT
- 4,66 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 25 min

Touch-dry (Tg4)

After 80 min

Dry (Tg6)

After 24 h

Note

- 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. 517 g/l

Solvent content

Appr. 23 % by weight

Aromatic content

Appr. 22 % 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 intensively with mechanical stirrer

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Airless spraying	<ul style="list-style-type: none"> • Flow pressure 180 bar • Nozzle size 0,011 - 0,014 inch (0,28 - 0,36 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 3 - 5 bar • Nozzle size 1,5 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 is possible in the quality as delivered
Thinner	<ul style="list-style-type: none"> • Max. 5% 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 and dirt on the surface which might reduce adhesion have to be carefully and thoroughly removed • 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. 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"> • Finish coat: EPE Einschichtlack

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