

Derogrund EPE EG Thix.

Anti rust primer with chromate-free anti-corrosive pigments (zinc-phosphate and micaceous iron oxide) on epoxy-ester basis

- Field of application**
- Protection against corrosion for iron and steel, aluminium and zinc surfaces
 - Primer/ intermediate coat in a multi-layer system for higher rust protection requirements.
 - Agree with VOC directive for one-pack performance coatings.

- Product properties**
- High Solid
 - Contains zincphosphate
 - Resistance to condensation
 - Resistance to mineral oils
 - Coating systems for corrosivity category C3
 - Good elasticity
 - Tolerant to a contaminated support
 - Recoatability: with single-component topcoats
 - Recoatability: with aromatic free topcoats (critical when by overpainting with aromatic content topcoats(wrinkling))

Technical Specification

Colours	grey , redbrown, black. 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	-20 up to 200 (short-term up to 300) °C
Gloss	Mat
Potential dry film thickness in one working process	Up to 80 µm
Viscosity	Appr. 25 sec running time (DIN 6 mm pot)
Density in kg/l	1,54
Solid content in %	73
Solid volume in %	51
Theoretical spreading capacity	<ul style="list-style-type: none"> • 6,38 m²/l at 80 µm DFT • 4,14 m²/kg at 80 µm DFT
Recommended film thickness	150 µm WFT corresponds to 80 µm DFT
Drying (DIN EN ISO 1517)	80 µm DFT
Dust-dry (Tg1)	After 45 min
Touch-dry (Tg4)	After 5 h
Dry (Tg6)	After 24 h
Interval for overcoating	<ul style="list-style-type: none"> • after 3 h with single-component topcoats • after 24 h with aromatic free topcoats (critical when overpainting with aromatic containing topcoats(wrinkling))
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. 414 g/l
Solvent content	Appr. 27 % by weight

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Aromatic content	Appr. 20 % 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	
Airless spraying	<ul style="list-style-type: none"> • Flow pressure 180 bar • Nozzle size 0,017 - 0,019 inch (0,43 - 0,48 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. 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 • If necessary clean with high pressure-cleaner and turbo-cleaner-solution • Sweeping for zincd 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. 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 EG Thix. • Finish coat: Derilux 588

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