

Derogrund

Anti rust primer with chromate-free anti-corrosive pigments (zinc-phosphate) on alkyd resin basis. Frei von Blei-, Cadmium- und Chrom VI-Verbindungen.

- Field of application**
- Protection against corrosion for iron and steel
 - Primer in a multi-layer system for a lower rust protection requirement
 - Not suitable for coating of metals for interior use according to the deco paint directive.
 - Can be used as a welding primer with the addition of 10% Derozinc thinner.

- Product properties**
- Resistance to mineral oils
 - Tolerant to a contaminated support
 - Overcoatability: with alkyd paints
 - Recoatability: with polyurethane paints (2K Derocryl)
 - Release by the company Hensel GmbH, Germany as a primer for fire protection systems F30- F90

Technical Specification

Colours	redbrown , light-grey, black, grey.
Flash point	>23 °C
Temperature stability	-20 up to 120 (short-term up to 150) °C
Gloss	Mat
Potential dry film thickness in one working process	80 up to 100 µm
Viscosity	Thixotrope
Density in kg/l	1,37
Solid content in %	66
Solid volume in %	46
Theoretical spreading capacity	<ul style="list-style-type: none"> • 5,75 m²/l at 80 µm DFT • 4,2 m²/kg at 80 µm DFT
Recommended film thickness	175 µm WFT corresponds to 80 µm DFT
Drying (DIN EN ISO 1517)	80 µm DFT
Dust-dry (Tg1)	After 50 min
Touch-dry (Tg4)	After 90 min
Dry (Tg6)	After 3 h
Accelerated drying	30 min. at 60°C possible, after 10 min. flash-off time
Interval for overcoating	<ul style="list-style-type: none"> • after 3 h with alkyd paints • after 3 h with two component Derocryl topcoats
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. 465 g/l
Solvent content	Appr. 34 % by weight
Aromatic content	Appr. 34 % by weight

Storage

- Storage
- In dry, cool rooms, if possible frost-proof
 - Ensure good ventilation

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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 0,011 - 0,015 inch (0,28 - 0,38 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 2 bar • Nozzle size 1,3 - 2 mm • Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 10 % Derozink-Verdünnung (two component products: after mixing)
Electrostatic application	<ul style="list-style-type: none"> • Application is possible, provided that the material is set to the appropriate conductance for the system concerned • It should be noted that, adapting the material to the appropriate conductance for the system concerned, may prolong drying and impair the resistance to corrosion and weathering
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. 15% 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 • 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: Derogrund • Finish coat: Deritex 40 HS

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Product group: KG0000