

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	<ul style="list-style-type: none"> • 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