

## 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	<b>redbrown</b> , 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"> <li>• 5,75 m²/l at 80 µm DFT</li> <li>• 4,2 m²/kg at 80 µm DFT</li> </ul>
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"> <li>• after 3 h with alkyd paints</li> <li>• after 3 h with two component Derocryl topcoats</li> </ul>
Note	<ul style="list-style-type: none"> <li>• The specifications are based on standard atmospheric conditions 23/50, DIN 50014.</li> <li>• Lower temperatures and/or higher humidity will prolong drying and hardening.</li> </ul>

### 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"> <li>• In dry, cool rooms, if possible frost-proof</li> <li>• Ensure good ventilation</li> </ul>
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Shelf life	<ul style="list-style-type: none"> <li>6 month from date of delivery when in unopened original containers in cool and dry conditions</li> </ul>
<b>Application methods</b>	
Airless spraying	<ul style="list-style-type: none"> <li>Flow pressure 180 bar</li> <li>Nozzle size 0,011 - 0,015 inch (0,28 - 0,38 mm)</li> <li>Spraying angle according to the geometry and size of the object to be laquered</li> </ul>
Compressed air spraying	<ul style="list-style-type: none"> <li>Spraying pressure 2 bar</li> <li>Nozzle size 1,3 - 2 mm</li> <li>Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 10 % Derozink-Verdünnung (two component products: after mixing)</li> </ul>
Electrostatic application	<ul style="list-style-type: none"> <li>Application is possible, provided that the material is set to the appropriate conductance for the system concerned</li> <li>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</li> </ul>
Dipping	<ul style="list-style-type: none"> <li>Can not be applied as delivered</li> </ul>
Other methods	<ul style="list-style-type: none"> <li>Roller and brush application is possible in the quality as delivered</li> </ul>
Thinner	<ul style="list-style-type: none"> <li>Max. 15% Derozink-Verdünnung</li> </ul>
Cleaning	<ul style="list-style-type: none"> <li>Rinse immediately with Derozink-Verdünnung</li> <li>Residues are dissolvable with Derozink-Verdünnung</li> </ul>
<b>Preparation of support</b>	<ul style="list-style-type: none"> <li>Shot blasting to a purity according to SA 2½</li> <li>If necessary clean with high pressure-cleaner and turbo-cleaner-solution</li> <li>Mill scale, welding residues, dust and dirt on the surface which might reduce adhesion have to be carefully and thoroughly removed</li> </ul>
<b>General remarks</b>	<ul style="list-style-type: none"> <li>During coating and drying the humidity should be min. 10 % / max. 85 %</li> <li>During coating and drying the environmental temperature should be min. 5°C / max. 30°C</li> <li>Object temperature at least 3° C above dew point.</li> </ul>
<b>Example for a system</b>	<ul style="list-style-type: none"> <li>Primer coat: Derogrund</li> <li>Finish coat: Deritex 40 HS</li> </ul>

*The general information and descriptions contained in this specification are provided to the best of our knowledge. Our information and specifications do not constitute warranted characteristics in the legal sense. Any advice for preparation and application which may be provided verbally, in writing or by means of experiments is of general nature only, and any property rights of third parties are also to be regarded in this context. Our general instructions do not release you from your obligation to check the suitability of the products supplied by our company for the intended methods and purposes of application. Particular in those cases when our supplied material will be applied with products from other sources. The products are prepared, applied and used outside of our sphere of control and thus fall solely within the user's scope of responsibility.*

*Our general terms of sale and delivery apply as agreed.*

Product group: KG0000