

## Derozink Silikon Alu

coating based on phenylmethylpolysiloxan resin basis containing Zincdust- and aluminium-part

**Field of application** • Protection against corrosion for iron and steel in high temperature areas

**Product properties**

- Contents silicon
- Coating systems for corrosivity category C3
- High surface hardness
- Fast drying
- Fast curing

### Technical Specification

Colours	<b>RAL 9006.</b> 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 450 °C
Gloss	Mat
Potential dry film thickness in one working process	Up to 40 µm
Viscosity	Appr. 40 sec running time (DIN 4 mm pot)
Density in kg/l	1,53
Solid content in %	67
Solid volume in %	42
Theoretical spreading capacity	<ul style="list-style-type: none"> <li>• 10,5 m²/l at 40 µm DFT</li> <li>• 6,86 m²/kg at 40 µm DFT</li> </ul>
Recommended film thickness	100 µm WFT corresponds to 40 µm DFT
Drying (DIN EN ISO 1517)	40 µm DFT
Dust-dry (Tg1)	After 15 min
Touch-dry (Tg4)	After 30 min
Dry (Tg6)	After 40 min
Accelerated drying	30 min., required at least 180°C
Interval for overcoating	<ul style="list-style-type: none"> <li>• after 90 min with siliconresin coatings without forced intermediate drying</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. 504 g/l
Solvent content	Appr. 33 % by weight
Aromatic content	Appr. 22 % 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>
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>

### Application methods

## Derozink Silikon Alu

Airless spraying	<ul style="list-style-type: none"> <li>• Flow pressure 160 - 180 bar</li> <li>• Nozzle size 0,009 - 0,011 inch (0,23 - 0,28 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 3 - 5 bar</li> <li>• Nozzle size 1,5 - 1,8 mm</li> <li>• Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 8 % Deripox-Verdünnung (two component products: after mixing)</li> </ul>
Electrostatic application	<ul style="list-style-type: none"> <li>• Application is not possible</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 for repair work is possible</li> </ul>
Thinner	<ul style="list-style-type: none"> <li>• Max. 10% Deripox-Verdünnung</li> </ul>
Cleaning	<ul style="list-style-type: none"> <li>• Rinse immediately with Deripox-Verdünnung</li> <li>• Residues are dissolvable with Deripox-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>• 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: Derozink Silikon Alu</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: SG5100900600