

## Derilux Silikon Alu

Topcoat on phenylmethylpolysiloxan resin basis

- Field of application**
- Protection against corrosion for steel, aluminium and blasted high grade steel for high temperature areas.
  - Topcoat for a silicon multi layer system.

- Product properties**
- Contents silicon
  - Resistance to light acids
  - Resistance to condensation
  - Coating systems for corrosivity category C3
  - Coating systems for high temperatures
  - Fast drying
  - Recoatable with itself

### Technical Specification

Colours	<b>RAL 9006</b> , RAL 9007..
Flash point	>23 °C
Temperature stability	Up to 600 °C
Gloss	Silky mat
Potential dry film thickness in one working process	20 up to 40 µm
Viscosity	Appr. 25 sec running time (DIN 4 mm pot)
Density in kg/l	1,06
Solid content in %	45
Solid volume in %	33
Theoretical spreading capacity	<ul style="list-style-type: none"> <li>• 8,25 m²/l at 40 µm DFT</li> <li>• 7,78 m²/kg at 40 µm DFT</li> </ul>
Recommended film thickness	125 µm WFT corresponds to 40 µm DFT
Drying (DIN EN ISO 1517)	30 µm DFT
Dust-dry (Tg1)	After 15 min
Touch-dry (Tg4)	After 60 min
Dry (Tg6)	After 80 min
Accelerated drying	30 min., required at least 180°C
Interval for overcoating	<ul style="list-style-type: none"> <li>• after 3 h with itself without accelerated 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. 580 g/l
Solvent content	Appr. 55 % by weight
Aromatic content	Appr. 48 % by weight

### Storage

- Storage**
- In dry, cool rooms, if possible frost-proof
  - Ensure good ventilation
- Shelf life**
- 6 month from date of delivery when in unopened original containers in cool and dry conditions

### Application methods

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Airless spraying	<ul style="list-style-type: none"> <li>• Flow pressure 150 - 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>• Can be applied as delivered</li> <li>• Spraying pressure 4 - 5 bar</li> <li>• Nozzle size 1,2 - 1,5 mm</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. 3% Derozink-Verdünnung</li> </ul>
Cleaning	<ul style="list-style-type: none"> <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>• Clean primer of the coating system</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 Silikon</li> <li>• Finish coat: Derilux Silikon Alu</li> </ul>

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