

## 2K-Deripox Beschichtung 681.

High solid two component coating on epoxy-/ hydrocarbon resin basis, chemical cured with aliphatic polyamine

- Field of application**
- Systems for corrosion protection according to DIN EN 12944 Corrosion classification C5.
  - As well for aluminium and zinc surfaces (sweepen).
  - Product corresponds to sheet 81 of the German TL/TP- Korr steel construction specifications.

- Product properties**
- High Solid
  - Silicon-free
  - Resistance to light acids
  - Resistance to weak bases
  - Resistance to grease
  - Resistance to chemicals (on request)
  - Resistance to mineral oils
  - Recoatable with itself

### Technical Specification

Colours	<b>black, ca. RAL 9005.</b>
Flash point	>23 °C
Temperature stability	-20 up to 120 °C
Gloss	Mat
Potential dry film thickness in one working process	150 up to 300 µm
Mixing ratio	<b>Hardener HL 506</b>
(Basis:hardener) by weight	15:1
(Basis:hardener) by volume	10,5:1
Pot life in hours	2
Viscosity	Thixotrope
Density in kg/l	1,45
Solid content in %	85
Solid volume in %	75
Theoretical spreading capacity	<ul style="list-style-type: none"> <li>• 5 m<sup>2</sup>/l at 150 µm DFT</li> <li>• 3,45 m<sup>2</sup>/kg at 150 µm DFT</li> </ul>
Recommended film thickness	200 µm WFT corresponds to 150 µm DFT
Drying (DIN EN ISO 1517)	150 µm DFT
Dust-dry (Tg1)	After 2 h
Touch-dry (Tg4)	After 6 h
Dry (Tg6)	After 24 h
Cured chemically	After 7 days
Interval for overcoating	<ul style="list-style-type: none"> <li>• after 8 h with itself</li> </ul>
Note	<ul style="list-style-type: none"> <li>• The specifications are related to the prepared mixture and are based on standard atmospheric conditions 23/50, DIN 50014.</li> <li>• Lower temperatures and/or higher humidity will prolong drying and hardening.</li> <li>• Application below +5 °C is not possible.</li> </ul>

### Safety information (See Security Data Sheet)

VOC-level                      Appr. 220 g/l

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Solvent content	Appr. 15 % by weight
Aromatic content	Appr. 15 % by weight
<b>Storage</b>	
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>
<b>Application methods</b>	
Mixing ratio	<ul style="list-style-type: none"> <li>Stirr intensively with mechanical stirrer</li> <li>Mix base paint and hardener according to the mixing ratio as specified</li> </ul>
Airless spraying	<ul style="list-style-type: none"> <li>Flow pressure 200 bar</li> <li>Nozzle size 0,015 - 0,021 inch (0,38 - 0,53 mm)</li> <li>Spraying angle according to the geometry and size of the object to be laquered</li> <li>If required (two component: after mixing) using 5% Derozink-Verdünnung is possible</li> </ul>
Compressed air spraying	<ul style="list-style-type: none"> <li>Inadvisable</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 is possible in the quality as delivered</li> </ul>
Thinner	<ul style="list-style-type: none"> <li>Max. 5% Derozink-Verdünnung</li> </ul>
Cleaning	<ul style="list-style-type: none"> <li>Rinse immediately 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>Sweeping for zincd supports</li> <li>Mill scale, welding residues, dust, soluble residues from chemical pretreatments and zinc reaction products 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. 30 % / 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: 2K-Deripox Protec EG</li> <li>Intermediate coat: 2K-Deripox Beschichtung 681.</li> <li>Finish coat: 2K-Deripox Beschichtung 681.</li> </ul>

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Product group: EB8100