

## 2K-Deripox Protec ZN

Rapid drying two component zinc rich primer on epoxy resin basis, chemical cured with polyamine adduct

- Field of application**
- High protection against corrosion for iron and steel.
  - Primer for 2K-Deripox Protec system certificated for corrosion protection category C5 high (ILF 120554-4).
  - Using even at low temperatures.

- Product properties**
- High Solid
  - Resistance to chemicals (on request)
  - Resistance to mineral oils
  - High surface hardness
  - Fast drying
  - Fast recoatability
  - Overcoatability: do not overcoat with itself
  - Recoatability: with epoxy paints (2K Deripox)

### Technical Specification

Colours	<b>grey.</b>
Flash point	>23 °C
Temperature stability	-20 up to 200 °C
Gloss	Mat
Potential dry film thickness in one working process	60 up to 80 µm
Mixing ratio	<b>Hardener HL 540</b>
(Basis:hardener) by weight	9:1
(Basis:hardener) by volume	3,7:1
Pot life in hours	4
Viscosity	Appr. 12 sec running time (DIN 6 mm pot)
Density in kg/l	2,1
Solid content in %	82
Solid volume in %	56
Theoretical spreading capacity	<ul style="list-style-type: none"> <li>• 9,33 m²/l at 60 µm DFT</li> <li>• 4,44 m²/kg at 60 µm DFT</li> </ul>
Recommended film thickness	100 µm WFT corresponds to 60 µm DFT
Drying (DIN EN ISO 1517)	60 µm DFT
Dust-dry (Tg1)	After 30 min
Touch-dry (Tg4)	After 60 min
Dry (Tg6)	After 3 h
Cured chemically	After 7 days
Interval for overcoating	<ul style="list-style-type: none"> <li>• after 1 h with two component Deripox topcoats</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>• It is possible to use this material to limit frost temperature (possibly solvents are necessary).</li> </ul>

### Safety information (See Security Data Sheet)

VOC-level	Appr. 378 g/l
Solvent content	Appr. 18 % by weight

## 2K-Deripox Protec ZN

Aromatic content	Appr. 13 % 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 homogeneous, preferably 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>• Risk of spray dust due to very fast drying</li> <li>• Flow pressure 180 bar</li> <li>• Nozzle size 0,013 - 0,015 inch (0,33 - 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 5 - 6 bar</li> <li>• Nozzle size 1,6 - 1,8 mm</li> <li>• Adjust to spraying viscosity (appr. 60 s DIN 4 mm) adding appr. 5 % 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> </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. 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 ZN</li> <li>• Intermediate coat: 2K-Deripox Protec EG</li> <li>• Finish coat: 2K-Derocryl Lack 30 HS</li> </ul>

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

Product group: EG4001799900