

## 2K-Deripox Protec HS

Elasticized two-component one-coat paint based on epoxy resin, chemically cured with polyamine adduct. Very well suited as a primer for special requirements (e.g. ACE, rail, etc.)

**Field of application** • Protection against corrosion for iron, steel, galvanized steel and Alloy.

**Product properties**

- High Solid
- Resistance to chemicals (on request)
- Resistance to mineral oils
- Scratch resistance
- Good elasticity
- Recoatability: with two component topcoats

### Technical Specification

Colours	RAL-colour chart with exceptions.
Flash point	>23 °C
Temperature stability	-40 up to 200 °C
Gloss	Satin glossy, appr. 30 U in 60° angle
Potential dry film thickness in one working process	40 up to 160 µm
Mixing ratio	<b>Hardener HL 570</b>
(Basis:hardener) by weight	11:1
(Basis:hardener) by volume	6,5:1
Pot life in hours	2
Viscosity	Thixotrope
Density in kg/l	1,57
Solid content in %	82
Solid volume in %	70
Theoretical spreading capacity	<ul style="list-style-type: none"> <li>• 8,75 m<sup>2</sup>/l at 80 µm DFT</li> <li>• 5,57 m<sup>2</sup>/kg at 80 µm DFT</li> </ul>
Recommended film thickness	125 µm WFT corresponds to 90 µm DFT
Drying (DIN EN ISO 1517)	80 µm DFT
Dust-dry (Tg1)	After 6 h
Touch-dry (Tg4)	After 12 h
Dry (Tg6)	After 16 h
Cured chemically	After 7 days
Interval for overcoating	<ul style="list-style-type: none"> <li>• after 12 h with two component 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> </ul>

### Safety information (See Security Data Sheet)

VOC-level	Appr. 280 g/l
Solvent content	Appr. 18 % by weight
Aromatic content	Appr. 10 % by weight

### Storage

Storage

- In dry, cool rooms, if possible frost-proof
- Ensure good ventilation

## 2K-Deripox Protec HS

- Shelf life
- 6 month from date of delivery when in unopened original containers in cool and dry conditions
- Application methods**
- Mixing ratio
- Stirr homogeneous, preferably with mechanical stirrer
  - Mix base paint and hardener according to the mixing ratio as specified
- Airless spraying
- Flow pressure 180 bar
  - Nozzle size 0,013 - 0,019 inch (0,33 - 0,48 mm)
  - Spraying angle according to the geometry and size of the object to be laquered
- Compressed air spraying
- Spraying pressure 2 bar
  - Nozzle size 1,6 - 2 mm
  - Adjust to spraying viscosity (appr. 60 s DIN 4 mm) adding appr. 10 % Deripox-Verdünnung (two component products: after mixing)
- Electrostatic application
- Application is possible provided that the material is diluted
- Dipping
- Can not be applied as delivered
- Other methods
- Roller and brush application is possible in the quality as delivered
- Thinner
- Max. 10% Deripox-Verdünnung
- Cleaning
- Rinse immediately with Deripox-Verdünnung
- Preparation of support**
- Shot blasting to a purity according to SA 2½
  - Sweeping for zinced supports
  - Mill scale, welding residues, dust and dirt on the surface which might reduce adhesion have to be carefully and thoroughly removed
- General remarks**
- During coating and drying the humidity should be min. 30 % / max. 85 %
  - During coating and drying the environmental temperature should be min. 5°C / max. 30°C
  - Object temperature at least 3° C above dew point.

*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: ED500