

## Deritex 11

One coat paint system with chromate-free anti-corrosive pigments (zinc-phosphate) on styrolalkyd resin basis

**Field of application**

- High-quality corrosion protection for iron and steel.
- Complies with the specifications of DBS 918300 sheets 11 and 12.

**Product properties**

- High Solid
- Contains zincphosphate
- Scratch resistance
- Good weather resistance
- High surface hardness
- Fast drying
- Recoatable with itself

### Technical Specification

Colours	RAL-colour chart with exceptions. Other colours upon request.
Flash point	>26 °C
Temperature stability	-20 up to 100 (short-term up to 120) °C
Gloss	Mat, appr. 15 U in 85° angle
Potential dry film thickness in one working process	60 up to 150 µm
Viscosity	Thixotrope
Density in kg/l	1,43
Solid content in %	68
Solid volume in %	48
Theoretical spreading capacity	<ul style="list-style-type: none"> <li>• 6 m<sup>2</sup>/l at 80 µm DFT</li> <li>• 4,2 m<sup>2</sup>/kg at 80 µm DFT</li> </ul>
Recommended film thickness	150 µm WFT corresponds to 70 µm DFT
Drying (DIN EN ISO 1517)	80 µm DFT
Dust-dry (Tg1)	After 1 h
Touch-dry (Tg4)	After 2 h
Dry (Tg6)	After 4 h
Cured chemically	After 7 days
Interval for overcoating	<ul style="list-style-type: none"> <li>• after 4 h with itself</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. 455 g/l
Solvent content	Appr. 32 % by weight
Aromatic content	Appr. 32 % 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>

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### Application methods

- Airless spraying
  - Risk of spray dust due to very fast drying
  - Flow pressure 120 - 180 bar
  - Nozzle size 0,013 - 0,017 inch (0,33 - 0,43 mm)
  - Spraying angle according to the geometry and size of the object to be laquered
- Compressed air spraying
  - Spraying pressure 2 bar
  - Nozzle size 1,3 - 2 mm
  - Adjust to spraying viscosity (appr. 45 s DIN 4 mm) adding appr. 10 % Derozink-Verdünnung (two component products: after mixing)
- Electrostatic application
  - Application is possible, provided that the material is set to the appropriate conductance for the system concerned
- Dipping
  - Can not be applied as delivered
- Other methods
  - Roller and brush application for repair work is possible
- Thinner
  - Max. 10% Derozink-Verdünnung
- Cleaning
  - Rinse immediately with Derozink-Verdünnung
  - Residues are dissolvable with Derozink-Verdünnung
- Preparation of support
  - Shot blasting to a purity according to SA 2½
  - 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. 10 % / 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.
- Example for a system
  - Finish coat: Deritex 11

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Product group: KD421