

## Deritex EE 30 EM Hydro

Water borne topcoat with chromate-free anti-corrosive pigments (zinc-phosphate) on alkyd resin basis. Free of lead, cadmium and chromium VI compounds.

**Field of application**

- Protection against corrosion for iron and steel
- One-coat paint system or topcoat for a lower rust protection requirement

**Product properties**

- Water based
- Contains zincphosphate
- Resistance to mineral oils
- Tolerant to a contaminated support
- Recoatable with itself

### Technical Specification

Colours	<b>RAL 5001</b> , RAL-colour chart with exceptions, apart from RAL 9006/9007. Other colours upon request.
Flash point	Not applicable
Temperature stability	Up to 120 °C
Gloss	Silky mat, appr. 40 U in 85° angle
Potential dry film thickness in one working process	Up to 60 µm
Viscosity	Appr. 20 sec running time (DIN 6 mm pot)
Density in kg/l	1,25
Solid content in %	56
Solid volume in %	43
Theoretical spreading capacity	<ul style="list-style-type: none"> <li>• 7,17 m<sup>2</sup>/l at 60 µm DFT</li> <li>• 5,74 m<sup>2</sup>/kg at 60 µm DFT</li> </ul>
Recommended film thickness	150 µm WFT corresponds to 60 µm DFT
Drying (DIN EN ISO 1517)	60 µm DFT
Dust-dry (Tg1)	After 60 min
Touch-dry (Tg4)	After 6 h
Dry (Tg6)	After 24 h
Accelerated drying	30 min. at 60°C possible, after 10 min. flash-off time
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)

Solvent content                      Appr. 4 % by weight

Aromatic content                      Appr. 3 % by weight

### Storage

Storage

- In dry, cool rooms, 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>• It is tending to fast skinning. Do not stir the skin in any case!</li> <li>• Flow pressure 180 bar</li> <li>• Nozzle size 0,011 inch (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>• Spraying pressure 4 bar</li> <li>• Nozzle size 1,5 - 1,8 mm</li> <li>• Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 3 % Water (two component products: after mixing)</li> </ul>
Electrostatic application	<ul style="list-style-type: none"> <li>• Application is possible, provided the equipment is suitable for water based materials</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. 5% Water</li> </ul>
Cleaning	<ul style="list-style-type: none"> <li>• Rinse immediately with Wasser</li> <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>• If necessary clean with high pressure-cleaner and turbo-cleaner-solution</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: Derogrund Hydro XT</li> <li>• Finish coat: Deritex EE 30 EM Hydro</li> </ul>

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

Product group: KD7133500100