

## 1K DC Lack Hydro Color

Water borne coating on an acrylat dispersion binder with an activ anti-corrosive pigment

### Field of application

- Protection against corrosion for steel constructions and cast iron.
- Using as one layer or top coat.
- Complies with ChemVOCFarb V section 1d metal coatings.
- Category 16 and 19 of DGnB quality level 1-4.

### Product properties

- Medium Solid
- Water based
- Contains zincphosphate
- Resistance to mineral oils
- Fast drying

### Technical Specification

Colours	<b>RAL 5012</b> , RAL-colour chart, apart from RAL 9006/9007.
Flash point	Not applicable
Temperature stability	-20 up to 150 °C
Gloss	Mat
Potential dry film thickness in one working process	60 up to 80 µm
Viscosity	Thixotrope
Density in kg/l	1,37
Solid content in %	62
Solid volume in %	46
Theoretical spreading capacity	<ul style="list-style-type: none"> <li>• 5,75 m²/l at 80 µm DFT</li> <li>• 4,2 m²/kg at 80 µm DFT</li> </ul>
Recommended film thickness	175 µm WFT corresponds to 80 µm DFT
Drying (DIN EN ISO 1517)	80 µm DFT
Dust-dry (Tg1)	After 25 min
Touch-dry (Tg4)	After 40 min
Dry (Tg6)	After 3 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 1 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

- In dry, cool rooms, frost-proof
- Ensure good ventilation
- 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>• Risk of spray dust due to very fast drying</li> <li>• After using the material close the packings immediately</li> <li>• Dip the pistol and the nozzle into water during the breaks</li> <li>• It is tending to fast skinning. Do not stir the skin in any case!</li> <li>• Flow pressure 120 - 180 bar</li> <li>• Nozzle size 0,011 - 0,013 inch (0,28 - 0,33 mm)</li> </ul>
Compressed air spraying	<ul style="list-style-type: none"> <li>• Spraying pressure 4 bar</li> <li>• Nozzle size 1,3 - 1,5 mm</li> <li>• Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 5 % 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. 8% Water</li> </ul>
Cleaning	<ul style="list-style-type: none"> <li>• Rinse immediately with Wasser</li> <li>• Residues are dissolvable 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>• 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: Derocryl Grund Hydro GT</li> <li>• Finish coat: 1K DC Lack Hydro Color</li> </ul>

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

Product group: AD7012