

Derocryl Hydro TLA

Water borne dipping coat on an acrylat dispersion basis. Free of lead, cadmium and chromium VI compounds.

Field of application

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

Product properties

- Free from aromatic compounds
- Water based
- Fast drying
- Recoatable with itself

Technical Specification

Colours	RAL 9005 , RAL-colour chart with exceptions, apart from RAL 9006/9007. Other colours upon request.
Flash point	Not applicable
Temperature stability	Up to 120 (short-term up to 160) °C
Gloss	Satin glossy, appr. 60 U in 85° angle
Potential dry film thickness in one working process	30 up to 50 µm
Viscosity	Appr. 40 sec running time (DIN 4 mm pot)
Density in kg/l	1,203
Solid content in %	52
Solid volume in %	42
Theoretical spreading capacity	<ul style="list-style-type: none"> • 10,5 m²/l at 40 µm DFT • 8,73 m²/kg at 40 µm DFT
Recommended film thickness	100 µm WFT corresponds to 40 µm DFT
Drying (DIN EN ISO 1517)	40 µm DFT
Dust-dry (Tg1)	After 40 min
Touch-dry (Tg4)	After 4 h
Dry (Tg6)	After 12 h
Accelerated drying	30 min. at 60°C possible, after 10 min. flash-off time
Interval for overcoating	<ul style="list-style-type: none"> • after 3 h with itself
Note	<ul style="list-style-type: none"> • The specifications are based on standard atmospheric conditions 23/50, DIN 50014. • Lower temperatures and/or higher humidity will prolong drying and hardening.

Safety information (See Security Data Sheet)

Solvent content Appr. 1 % by weight

Storage

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|------------|---|
| Storage | <ul style="list-style-type: none"> • In dry, cool rooms, frost-proof • Ensure good ventilation |
| Shelf life | <ul style="list-style-type: none"> • 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"> • After using the material close the packings immediately • It is tending to fast skinning. Do not stir the skin in any case! • Flow pressure 90 - 120 bar • Nozzle size 0,011 inch (0,28 mm) • Spraying angle according to the geometry and size of the object to be laquered
Compressed air spraying	<ul style="list-style-type: none"> • Can be applied as delivered • Spraying pressure 3 - 4 bar • Nozzle size 1 - 1,5 mm
Electrostatic application	<ul style="list-style-type: none"> • Application is possible, provided the equipment is suitable for water based materials
Dipping	<ul style="list-style-type: none"> • Can be applied as delivered
Other methods	<ul style="list-style-type: none"> • Roller and brush application for repair work is possible
Thinner	<ul style="list-style-type: none"> • Max. 3% Water
Cleaning	<ul style="list-style-type: none"> • Rinse immediately with Wasser • Residues are dissolvable with Derozink-Verdünnung
Preparation of support	<ul style="list-style-type: none"> • Shot blasting to a purity according to SA 2½ • If necessary clean with high pressure-cleaner and turbo-cleaner-solution • Mill scale, welding residues, dust and dirt on the surface which might reduce adhesion have to be carefully and thoroughly removed
General remarks	<ul style="list-style-type: none"> • During coating and drying the humidity should be min. 30 % / max. 85 % • Object temperature at least 3° C above dew point.
Example for a system	<ul style="list-style-type: none"> • Finish coat: Derocryl Hydro TLA

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