

Deritex EE 30 Hydro

Water borne topcoat (zinc-phosphate) on alkyd copolymer basis. Free of lead, cadmium and chromium VI compounds.

- Field of application**
- One-coat paint system for C2 high or topcoat with waterborne or solvent primer.
 - For metal or corrosion protection coating according to DGNB.
 - ChemVOCFarbV for metal coatings is met.
 - Special setting for low pressure processing available (60s DIN 4 mm).

- Product properties**
- Water based
 - Resistance to mineral oils
 - Tolerant to a contaminated support
 - Recoatable with itself

Technical Specification

Colours	RAL 5001 , 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	Silky mat, appr. 40 U in 85° angle
Potential dry film thickness in one working process	60 up to 80 µm
Viscosity	Appr. 20 sec running time (DIN 6 mm pot)
Density in kg/l	1,3
Solid content in %	57
Solid volume in %	43
Theoretical spreading capacity	<ul style="list-style-type: none"> • 7,17 m²/l at 60 µm DFT • 5,52 m²/kg at 60 µm DFT
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"> • 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. 3 % by weight
Aromatic content	Appr. 2 % 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"> • After using the material close the packings immediately • It is tending to fast skinning. Do not stir the skin in any case! • Flow pressure 120 - 160 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"> • Spraying pressure 3 - 4 bar • Nozzle size 1 - 1,5 mm • Adjust to spraying viscosity (appr. 40 s DIN 4 mm) adding appr. 5 % Water (two component products: after mixing)
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 not 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. 5% 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 % • 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	<ul style="list-style-type: none"> • Primer coat: Derogrund Hydro XT • Finish coat: Deritex EE 30 Hydro

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