

Deritex 40 HS

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

Field of application	<ul style="list-style-type: none"> • Protection against corrosion for iron and steel. • As one-layer paint system with 80 µm DFT for corrosion category C2 high. • Agree with VOC directive for one-pack performance coatings.
Product properties	<ul style="list-style-type: none"> • High Solid • Resistance to condensation • Good weather resistance • High surface hardness • Fast drying • Recoatable with itself
Technical Specification	
Colours	RAL 5010 , RAL-colour chart with exceptions.
Flash point	>26 °C
Temperature stability	-20 up to 100 (short-term up to 120) °C
Potential dry film thickness in one working process	60 up to 100 µm
Viscosity	Thixotrope
Density in kg/l	1,45
Solid content in %	72
Solid volume in %	53
Theoretical spreading capacity	<ul style="list-style-type: none"> • 6,63 m²/l at 80 µm DFT • 4,57 m²/kg at 80 µm DFT
Recommended film thickness	150 µm WFT corresponds to 80 µm DFT
Drying (DIN EN ISO 1517)	80 µm DFT
Dust-dry (Tg1)	After 20 min
Touch-dry (Tg4)	After 60 min
Dry (Tg6)	After 90 min
Cured chemically	After 7 days
Interval for overcoating	<ul style="list-style-type: none"> • after 2 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)	
VOC-level	Appr. 407 g/l
Solvent content	Appr. 28 % by weight
Aromatic content	Appr. 25 % by weight
Storage	
Storage	<ul style="list-style-type: none"> • In dry, cool rooms, if possible 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"> • Risk of spray dust due to very fast drying • Flow pressure 180 bar • Nozzle size 0,011 - 0,015 inch (0,28 - 0,38 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 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	<ul style="list-style-type: none"> • Application is possible provided that the material is diluted
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. 10% Derozink-Verdünnung
Cleaning	<ul style="list-style-type: none"> • Rinse immediately with Derozink-Verdünnung • Residues are dissolvable with Derozink-Verdünnung
Preparation of support	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Finish coat: Deritex 40 HS

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Product group: KD4260