

Deritex 40 HS

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

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| 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