

Deritex 40 HS

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

Field of application • 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 • High Solid

Resistance to condensationGood weather resistanceHigh 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 • 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 • after 2 h with itself

Note • 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 • In dry, cool rooms, if possible 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

• 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 • 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
Application is possible provided that the material is diluted
Dipping
Can not be applied as delivered

Other methods • Roller and brush application for repair work is possible

Thinner • Max. 10% Derozink-Verdünnung

Cleaning

• Rinse immediately with Derozink-Verdünnung

Residues are dissolvable with Derozink-Verdünnung

Preparation of support • 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
• 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 • Finish coat: Deritex 40 HS

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Product group: KD4260

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