

EPE Einschichtlack

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

Dasis	
Field of application	 Protection against corrosion for iron and steel, aluminium and zinced supports Topcoat in a multi-layer system for higher rust protection requirements, if required as an one-coat paint. Agree with VOC directive for one-pack performance coatings.
Product properties	 Silicon-free Contains zincphosphate Resistance to mineral oils Coating systems for corrosivity category C2 Good elasticity Recoatable with itself Recoatability: with aromatic free topcoats (critical when by overpainting with aromatic content topcoats(wrinkling))
Technical Specification	
Colours	RAL9002 , RAL-colour chart with exceptions. Other colours upon request. Colour deviation (Colour deviations may occur in the range of high temperatures due to the restricted temperature resistance of the pigments)
Flash point	>23 °C
Temperature stability	-20 up to 200 (short-term up to 300) °C
Gloss	Mat
Potential dry film thickness in one working process	60 up to 80 µm
Viscosity	Thixotrope
Density in kg/l	1,4
Solid content in %	71
Solid volume in %	53
Solid volume in % Theoretical spreading capacity	
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Theoretical spreading capacity Recommended film thickness Drying (DIN EN ISO 1517) Dust-dry (Tg1)	 6,63 m²/l at 80 μm DFT 4,74 m²/kg at 80 μm DFT 150 μm WFT corresponds to 80 μm DFT 80 μm DFT After 45 min
Theoretical spreading capacity Recommended film thickness Drying (DIN EN ISO 1517) Dust-dry (Tg1) Touch-dry (Tg4)	 6,63 m²/l at 80 µm DFT 4,74 m²/kg at 80 µm DFT 150 µm WFT corresponds to 80 µm DFT 80 µm DFT After 45 min After 5 h
Theoretical spreading capacity Recommended film thickness Drying (DIN EN ISO 1517) Dust-dry (Tg1) Touch-dry (Tg4) Dry (Tg6)	 6,63 m²/l at 80 µm DFT 4,74 m²/kg at 80 µm DFT 150 µm WFT corresponds to 80 µm DFT 80 µm DFT After 45 min After 5 h After 24 h after 3 h with itself after 24 h with aromatic free topcoats (critical when overpainting with
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Aromatic content	Appr. 26 % by weight
Storage	
Storage	In dry, cool rooms, if possible frost-proofEnsure good ventilation
Shelf life	 6 month from date of delivery when in unopened original containers in cool and dry conditions
Application methods	
Airless spraying	 Flow pressure 180 bar Nozzle size 0,014 - 0,017 inch (0,36 - 0,43 mm) Spraying angle according to the geometry and size of the object to be laquered
Compressed air spraying	 Spraying pressure 5 - 6 bar Nozzle size 1,8 - 2,3 mm Adjust to spraying viscosity (appr. 60 s DIN 4 mm) adding appr. 10 % Derozink-Verdünnung (two component products: after mixing)
Electrostatic application	 Application is possible, provided that the material is set to the appropriate conductance for the system concerned It should be noted that, adapting the material to the appropriate conductance for the system concerned, may prolong drying and impair the resistance to corrosion and weathering
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-VerdünnungResidues are dissolvable with Derozink-Verdünnung
Preparation of support	 Shot blasting to a purity according to SA 2½ If necessary clean with high pressure-cleaner and turbo-cleaner-solution Sweeping for zinced supports Mill scale, welding residues, dust, soluble residues from chemical pretreatments and zinc reaction products 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: EPE Einschichtlack

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Product group: KG0100

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