

2K-Deripox Zinkstaub 687.03

Two component zinc rich primer on epoxy resin basis, chemical cured with polyamine adduct

Field of application	<ul style="list-style-type: none"> • Systems for corrosion protection according to the German TL/TP-Korr steel construction specification • Cathodic anti rust protection for iron and steel • According to sheet 87 of the German TL/TP- Korr steel construction specifications
Product properties	<ul style="list-style-type: none"> • High Solid • Fast drying • Fast recoatability • Overcoatability: <u>do not</u> overcoat with itself • Recoatability: with epoxy paints (2K Deripox)
Technical Specification	
Colours	grey (687.03) , Green tinted (687.05), red tinted (687.04).
Flash point	>23 °C
Temperature stability	Up to 200 °C
Gloss	Mat
Potential dry film thickness in one working process	Up to 70 µm
Mixing ratio	Hardener HL 500
(Basis:hardener) by weight	20:1
(Basis:hardener) by volume	6,3:1
Pot life in hours	12
Viscosity	Thixotrope
Density in kg/l	2,6
Solid content in %	87
Solid volume in %	60
Theoretical spreading capacity	<ul style="list-style-type: none"> • 8,57 m²/l at 70 µm DFT • 3,3 m²/kg at 70 µm DFT
Recommended film thickness	125 µm WFT corresponds to 80 µm DFT
Drying (DIN EN ISO 1517)	70 µm DFT
Dust-dry (Tg1)	After 35 min
Touch-dry (Tg4)	After 60 min
Dry (Tg6)	After 2 h
Cured chemically	After 7 days
Interval for overcoating	<ul style="list-style-type: none"> • after 4 h with two component Deripox topcoats • Max. after 6 months without slightly sanding
Note	<ul style="list-style-type: none"> • The specifications are related to the prepared mixture and are based on standard atmospheric conditions 23/50, DIN 50014. • Lower temperatures and/or higher humidity will prolong drying and hardening. • Application below +5 °C is not possible. • Using winter quality application is possible nearly to frost temperature. Application only on steel supports possible.
Safety information (See Security Data Sheet)	
VOC-level	Appr. 393 g/l
Solvent content	Appr. 13 % by weight

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Aromatic content	Appr. 11 % 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	
Mixing ratio	<ul style="list-style-type: none"> • Stirr intensively with mechanical stirrer • Mix base paint and hardener according to the mixing ratio as specified
Airless spraying	<ul style="list-style-type: none"> • Risk of spray dust due to very fast drying • Flow pressure 180 bar • Nozzle size 0,019 - 0,021 inch (0,48 - 0,53 mm) • Spraying angle according to the geometry and size of the object to be laquered • If required (two component: after mixing) using 5% Deripox-Verdünnung (687.150) is possible
Compressed air spraying	<ul style="list-style-type: none"> • Spraying pressure 5 - 6 bar • Nozzle size 1,5 - 2 mm • Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 10 % Deripox-Verdünnung (687.150) (two component products: after mixing)
Electrostatic application	<ul style="list-style-type: none"> • Application is not possible
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% Deripox-Verdünnung (687.150)
Cleaning	<ul style="list-style-type: none"> • Rinse immediately with Deripox-Verdünnung (687.150)
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. 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: 2K-Deripox Zinkstaub 687.03 • Intermediate coat: 2K-Deripox EG BBV 687. • Finish coat: 2K-Derocryl Lack 687.

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