

2K-Deripox Zinkstaub 80

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

- Field of application**
- high protection against corrosion for iron and steel
 - Primer for high rust protection requirements

- Product properties**
- High Solid
 - Fast drying
 - Fast recoatability
 - Weldable up to 25-30 µm dry film thickness
 - Overcoatability: do not overcoat with itself
 - Recoatability: with epoxy paints (2K Deripox)

Technical Specification

Colours	grey.	
Flash point	>23 °C	
Temperature stability	Up to 300 °C	
Gloss	Mat	
Potential dry film thickness in one working process	Up to 70 µm	
Mixing ratio	Hardener HL 500	Hardener HL 510 (Winterhärter)
(Basis:hardener) by weight	20:1	25:1
(Basis:hardener) by volume	7,3:1	9,4:1
Pot life in hours	10	6
Viscosity	Appr. 25 sec running time (DIN 6 mm pot)	Appr. 25 sec running time (DIN 6 mm pot)
Density in kg/l	2,37	2,4
Solid content in %	83	84
Solid volume in %	54	54
Theoretical spreading capacity	<ul style="list-style-type: none"> • 9 m²/l at 60 µm DFT • 3,8 m²/kg at 60 µm DFT 	<ul style="list-style-type: none"> • 7,71 m²/l at 70 µm DFT • 3,21 m²/kg at 70 µm DFT
Recommended film thickness	125 µm WFT corresponds to 70 µm DFT	125 µm WFT corresponds to 70 µm DFT
Drying (DIN EN ISO 1517)	60 µm DFT	60 µm DFT
Dust-dry (Tg1)	After 30 min	After 20 min
Touch-dry (Tg4)	After 60 min	After 40 min
Dry (Tg6)	After 4 h	After 2 h
Cured chemically	After 7 days	After 4 days
Interval for overcoating	<ul style="list-style-type: none"> • after 3 h with two component Deripox topcoats 	<ul style="list-style-type: none"> • after 90 min with two component Deripox topcoats
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. 17 % by weight	Appr. 16 % by weight

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Aromatic content	Appr. 14 % 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 homogeneous, preferably 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 0,017 - 0,021 inch (0,43 - 0,53 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 5 - 6 bar • Nozzle size 1,5 - 2 mm • Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 10 % Deripox-Verdünnung (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
Cleaning	<ul style="list-style-type: none"> • Rinse immediately with Deripox-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. 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 80 • Intermediate coat: 2K-Deripox Grund S • Finish coat:

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