

2K-Deripox Grund 60 HS

Two component primer with anti-corrosive pigments (zinc-phosphate) on epoxy resin basis, chemical cured with polyamine adduct

Field of application

- Protection against corrosion for iron and steel and zincd supports
- Primer for low film thickness

Product properties

- High Solid
- Silicon-free
- Contains zincphosphate
- Resistance to chemicals (on request)
- Resistance to mineral oils
- High surface hardness
- Fast drying
- Recoatability: with two component topcoats
- Release by the company Hensel GmbH, Germany as a primer for fire protection systems F30- F90

Technical Specification

Colours	redbrown , light-grey.
Flash point	>23 °C
Temperature stability	-20 up to 200 °C
Gloss	Mat
Potential dry film thickness in one working process	50 up to 100 µm
Mixing ratio	Hardener HL 500
(Basis:hardener) by weight	10:1
(Basis:hardener) by volume	5,7:1
Pot life in hours	8
Viscosity	Appr. 17 sec running time (DIN 6 mm pot)
Density in kg/l	1,56
Solid content in %	75
Solid volume in %	56
Theoretical spreading capacity	<ul style="list-style-type: none"> • 11,2 m²/l at 50 µm DFT • 7,18 m²/kg at 50 µm DFT
Recommended film thickness	100 µm WFT corresponds to 60 µm DFT
Drying (DIN EN ISO 1517)	50 µm DFT
Dust-dry (Tg1)	After 25 min
Touch-dry (Tg4)	After 2 h
Dry (Tg6)	After 6 h
Cured chemically	After 7 days
Interval for overcoating	<ul style="list-style-type: none"> • after 5 h with two component Deripox topcoats • Max. after 6 months without slightly sanding • after 6 h with two component Derocryl 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.

Safety information (See Security Data Sheet)

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VOC-level	Appr. 380 g/l
Solvent content	Appr. 25 % by weight
Aromatic content	Appr. 19 % 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"> Flow pressure 160 bar Nozzle size 0,011 inch (0,28 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 4 - 6 bar Nozzle size 1,5 - 2 mm Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 8 % Deripox-Verdünnung (two component products: after mixing)
Electrostatic application	<ul style="list-style-type: none"> Can be applied as delivered Conductance of the material: 1000 kOhm
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 is possible in the quality as delivered Double application is possible in viscosity as delivered
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 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	<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"> Primer coat: 2K-Deripox Grund 60 HS Finish coat:

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