

1K-Derocryl Haftgrund EE

Anti rust and adherence primer with chromate-free anti-corrosive pigments (zinc-phosphate) based on acrylic and PVC resin

Field of application

- Protection against corrosion for iron and steel
- Adherence primer for aluminium and zinc surfaces
- Not for the use of car repairs according to the terms of deco paint.

Product properties

- Silicon-free
- Contains zincphosphate
- Resistance to mineral oils
- Resistance to synthetic hydraulic oils
- High surface hardness
- Fast drying
- Fast recoatability
- Recoatability: with single-component topcoats

Technical Specification

Colours	light grey , redbrown, black, white. Other colours upon request.
Flash point	>23 °C
Temperature stability	-20 up to 120 °C
Gloss	Silky mat
Potential dry film thickness in one working process	40 up to 60 µm
Viscosity	Appr. 80 sec running time (DIN 4 mm pot)
Density in kg/l	1,28
Solid content in %	55
Solid volume in %	34
Theoretical spreading capacity	<ul style="list-style-type: none"> • 8,5 m²/l at 40 µm DFT • 6,64 m²/kg at 40 µm DFT
Recommended film thickness	125 µm WFT corresponds to 40 µm DFT
Drying (DIN EN ISO 1517)	40 µm DFT
Dust-dry (Tg1)	After 10 min
Touch-dry (Tg4)	After 30 min
Dry (Tg6)	After 60 min
Interval for overcoating	<ul style="list-style-type: none"> • after 60 min with single-component topcoats
Note	<ul style="list-style-type: none"> • 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. 575 g/l
Solvent content	Appr. 45 % by weight
Aromatic content	Appr. 40 % 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

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Application methods

Airless spraying	<ul style="list-style-type: none"> • Risk of spray dust due to very fast drying • Flow pressure 120 - 150 bar • Nozzle size 0,009 - 0,011 inch (0,23 - 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 3 - 5 bar • Nozzle size 1,5 - 2 mm • Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 5 % Derocrylverdünnung (two component products: after mixing)
Electrostatic application	<ul style="list-style-type: none"> • 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	<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 inadvisable
Thinner	<ul style="list-style-type: none"> • Max. 5% Derocrylverdünnung
Cleaning	<ul style="list-style-type: none"> • Rinse immediately with Derocrylverdünnung • Residues are dissolvable with Derocrylverdünnung
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. 30 % / max. 85 % • During coating 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: 1K-Derocryl Haftgrund EE

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Product group: AG0001