

2K-Derocryl Haftgrund EE

Two component adherence primer with anti-corrosive pigments (zinc-phosphate) on acrylic resin basis, chemical cured with poly-isocyanate (polyurethan).

Field of application

- Protection against corrosion for iron and steel.
- Adherence primer for several metallic supports.
- Fulfills the deco paint directive for the field of car repairs.

Product properties

- Silicon-free
- Contains zincphosphate
- Resistance to chemicals (on request)
- Resistance to mineral oils
- Abrasion resistance
- High surface hardness
- Fast drying
- Recoatability: with polyurethane paints (2K Derocryl)
- Release by the company Hensel GmbH, Germany as a primer for fire protection systems F30- F90

Technical Specification

Colours	light grey , redbrown, green, grey. Other colours upon request.
Flash point	>23 °C
Temperature stability	-20 up to 120 (short-term up to 150) °C
Gloss	Silky mat
Potential dry film thickness in one working process	40 up to 60 µm
Mixing ratio	Hardener HL 106
(Basis:hardener) by weight	8:1
(Basis:hardener) by volume	6:1
Pot life in hours	3
Viscosity	Appr. 60 sec running time (DIN 4 mm pot)
Density in kg/l	1,3
Solid content in %	61
Solid volume in %	43
Theoretical spreading capacity	<ul style="list-style-type: none"> • 10,75 m²/l at 40 µm DFT • 8,27 m²/kg at 40 µm DFT
Recommended film thickness	100 µm WFT corresponds to 40 µm DFT
Drying (DIN EN ISO 1517)	40 µm DFT
Dust-dry (Tg1)	After 30 min
Touch-dry (Tg4)	After 3 h
Dry (Tg6)	After 5 h
Cured chemically	After 7 days
Interval for overcoating	<ul style="list-style-type: none"> • after 2 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. 491 g/l
Solvent content	Appr. 39 % by weight
Aromatic content	Appr. 25 % 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 150 - 180 bar Nozzle size 0,011 - 0,015 inch (0,28 - 0,38 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 2 bar Nozzle size 1,3 - 1,8 mm Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 10 % 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
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. 5% Derocrylverdünnung
Cleaning	<ul style="list-style-type: none"> Rinse immediately 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. 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-Derocryl Haftgrund EE Finish coat:

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Product group: PG0001