

2K-Derocryl Haftgrund MS

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

Field of application

- Protection against corrosion for iron and steel
- Adherence primer for aluminium and zinc surfaces
- Fulfills the deco paint directive for the field of car repairs.

Product properties

- Medium Solid
- Contains zincphosphate
- Resistance to chemicals (on request)
- Resistance to mineral oils
- Abrasion resistance
- Fast recoatability
- Recoatability: with polyurethane paints (2K Derocryl)

Technical Specification

Colours	grey , black, white. 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	60 up to 80 µm
Mixing ratio	Hardener HL 109
(Basis:hardener) by weight	7:1
(Basis:hardener) by volume	5,3:1
Pot life in hours	3
Viscosity	Appr. 30 sec running time (DIN 6 mm pot)
Density in kg/l	1,34
Solid content in %	67
Solid volume in %	49
Theoretical spreading capacity	<ul style="list-style-type: none"> • 12,25 m²/l at 40 µm DFT • 9,14 m²/kg at 40 µm DFT
Recommended film thickness	100 µm WFT corresponds to 50 µm DFT
Drying (DIN EN ISO 1517)	40 µm DFT
Dust-dry (Tg1)	After 15 min
Touch-dry (Tg4)	After 1 h
Dry (Tg6)	After 1,5 h
Cured chemically	After 7 days
Interval for overcoating	<ul style="list-style-type: none"> • after 1,5 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)	
VOC-level	Appr. 446 g/l
Solvent content	Appr. 33 % by weight

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Aromatic content	Appr. 21 % 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 180 bar • Nozzle size 0,011 - 0,014 inch (0,28 - 0,36 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. 15 % Derocryl-Verdünnung MS (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 is possible in the quality as delivered
Thinner	<ul style="list-style-type: none"> • Max. 15% Derocryl-Verdünnung MS
Cleaning	<ul style="list-style-type: none"> • Rinse immediately with Derocryl-Verdünnung MS
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 zined 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 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 MS • Finish coat: 2K-Derocryl Lack

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