

2K-Derocryl Haftgrund EG HS

Two component primer with micaceous iron oxide on acrylic resin basis, chemical cured with poly-isocyanate (polyurethane).

Field of application

- Systems for corrosion protection. Primer for very high rust protection C4 und C5 systems at galvanised steel. Use Hardener 106 for 80 - 100 µm TSD, MR: 5:1 per w

Product properties

- High Solid
- Resistance to chemicals (on request)
- Resistance to mineral oils
- Scratch resistance
- Good elasticity
- Recoatable with itself
- Recoatability: with polyurethane paints (2K Derocryl)

Technical Specification

Colours **grey**, light-grey, redbrown, green, grey.
Other colours upon request.

Flash point >23 °C

Temperature stability -20 up to 120 (short-term up to 180) °C

Gloss Silky mat

Potential dry film thickness in one working process 80 up to 200 µm

Mixing ratio	Hardener HL 401	Hardener HL 106
(Basis:hardener) by weight	10:1	5:1
(Basis:hardener) by volume	6:1	3:1
Pot life in hours	4	4
Viscosity	Thixotrope	Thixotrope
Density in kg/l	1,69	1,57
Solid content in %	80	73
Solid volume in %	65	53
Theoretical spreading capacity	<ul style="list-style-type: none"> • 4,33 m²/l at 150 µm DFT • 2,56 m²/kg at 150 µm DFT 	<ul style="list-style-type: none"> • 3,53 m²/l at 150 µm DFT • 2,25 m²/kg at 150 µm DFT
Recommended film thickness	250 µm WFT corresponds to 160 µm DFT	150 µm WFT corresponds to 80 µm DFT
Drying (DIN EN ISO 1517)	150 µm DFT	80 µm DFT
Dust-dry (Tg1)	After 90 min	After 70 min
Touch-dry (Tg4)	After 3,5 h	After 3 h
Dry (Tg6)	After 6 h	After 5 h
Cured chemically	After 7 days	After 7 days
Interval for overcoating	<ul style="list-style-type: none"> • after 3 h with two component topcoats 	<ul style="list-style-type: none"> • after 3 h with two component 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. 330 g/l

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Solvent content	Appr. 20 % by weight	Appr. 27 % by weight
Aromatic content	Appr. 8 % 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 0,013 - 0,017 inch (0,33 - 0,43 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 1,8 - 2,3 mm• Adjust to spraying viscosity (appr. 60 s DIN 4 mm) adding appr. 8 % Derocrylverdünnung (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 is possible in the quality as delivered• Double application is possible in viscosity as delivered	
Thinner	<ul style="list-style-type: none">• Max. 10% 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• 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• Cleaning with alkaline wetting agent	
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 EG HS• Finish coat: 2K-Derocryl Lack 30 HS	

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Product group: PG4014750200