

1K DC Lack Hydro Color

Water borne coating on an acrylat dispersion binder with an activ anti-corrosive pigment		
Field of application	 Protection against corrosion for steel constructions and cast iron. Using as one layer or top coat. Complies with ChemVOCFarb V section 1d metal coatings. Category 16 and 19 of DGnB quality level 1-4. 	
Product properties	 Medium Solid Water based Contains zincphosphate Resistance to mineral oils Fast drying 	
Technical Specification		
Colours	RAL 5012, RAL-colour chart, apart from RAL 9006/9007.	
Flash point	Not applicable	
Temperature stability	-20 up to 150 °C	
Gloss	Mat	
Potential dry film thickness in one working process	60 up to 80 μm	
Viscosity	Thixotrope	
Density in kg/l	1,37	
Solid content in %	62	
Solid volume in %	46	
Theoretical spreading capacity	 5,75 m²/l at 80 μm DFT 4,2 m²/kg at 80 μm DFT 	
Recommended film thickness	175 μm WFT corresponds to 80 μm DFT	
Drying (DIN EN ISO 1517)	80 µm DFT	
Dust-dry (Tg1)	After 25 min	
Touch-dry (Tg4)	After 40 min	
Dry (Tg6)	After 3 h	
Accelerated drying	30 min. at 60°C possible, after 10 min. flash-off time	
Interval for overcoating	after 1 h with itself	
Note	 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. 53 g/l	
Solvent content	Appr. 4 % by weight	
Aromatic content	Appr. 3 % by weight	
Storage		
Storage	In dry, cool rooms, frost-proofEnsure good ventilation	
Shelf life	 6 month from date of delivery when in unopened original containers in cool and dry conditions 	
Application methods		

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Airless spraying	 Risk of spray dust due to very fast drying After using the material close the packings immediately Dip the pistol and the nozzle into water during the breaks It is tending to fast skinning. Do not stir the skin in any case! Flow pressure 120 - 180 bar Nozzle size 0,011 - 0,013 inch (0,28 - 0,33 mm)
Compressed air spraying	 Spraying pressure 4 bar Nozzle size 1,3 - 1,5 mm Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 5 % Water (two component products: after mixing)
Electrostatic application	 Application is possible, provided the equipment is suitable for water based materials
Dipping	Can not be applied as delivered
Other methods	 Roller and brush application for repair work is possible
Thinner	Max. 8% Water
Cleaning	Rinse immediately with WasserResidues are dissolvable with Deripox-Verdünnung
Preparation of support	 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 and dirt on the surface which might reduce adhesion have to be carefully and thoroughly removed
General remarks	 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	 Primer coat: Derocryl Grund Hydro GT Finish coat: 1K DC Lack Hydro Color

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Product group: AD7012