

DC Shopprimer HYDRO OptiBase

Water borne shopprimer on an acrylat dispersion basis. Free of lead, cadmium and chromium VI compounds

Field of application	<ul style="list-style-type: none"> • Temporary protection against corrosion for steel constructions. • Before using homogenize with mechanical mixer.
Product properties	<ul style="list-style-type: none"> • Free from aromatic compounds • Water based • Fast drying • Fast recoatability • Weldable up to 25-30 µm dry film thickness • Recoatability: universal
Technical Specification	
Colours	redbrown, grey. Other colours upon request.
Flash point	Not applicable
Temperature stability	Up to 100 °C
Gloss	Mat
Potential dry film thickness in one working process	25 up to 40 µm
Viscosity	Appr. 30 sec running time (DIN 4 mm pot)
Density in kg/l	1,31
Solid content in %	54
Solid volume in %	40
Theoretical spreading capacity	<ul style="list-style-type: none"> • 16 m²/l at 25 µm DFT • 12,21 m²/kg at 25 µm DFT
Recommended film thickness	75 µm WFT corresponds to 30 µm DFT
Drying (DIN EN ISO 1517)	25 µm DFT
Dust-dry (Tg1)	After 10 min
Touch-dry (Tg4)	After 15 min
Dry (Tg6)	After 25 min
Interval for overcoating	<ul style="list-style-type: none"> • after 1 h with water based topcoats • after 24 h with single-component topcoats • after 48 h with two 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. 4 g/l
Solvent content	Appr. 1 % by weight
Storage	
Storage	<ul style="list-style-type: none"> • In dry, cool rooms, 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	

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Airless spraying	<ul style="list-style-type: none"> • 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 70 - 100 bar • Nozzle size 0,007 - 0,017 inch (0,18 - 0,43 mm) • Suitable for the application on automatical equipments
Compressed air spraying	<ul style="list-style-type: none"> • Can be applied as delivered • Spraying pressure 4 bar • Nozzle size 1,3 - 1,5 mm
Electrostatic application	<ul style="list-style-type: none"> • Application is possible, provided the equipment is suitable for water based materials
Dipping	<ul style="list-style-type: none"> • Can 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. 3% Water
Cleaning	<ul style="list-style-type: none"> • Rinse immediately with Wasser • Residues are dissolvable with Deripox-Verdünnung
Preparation of support	<ul style="list-style-type: none"> • Shot blasting to a purity according to SA 2½ • Mill scale, welding residues, dust and dirt on the surface 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: DC Shopprimer HYDRO OptiBase • Finish coat: Miscellaneous

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