

Shoppriemer Hydro EcoWeld

Water borne shoppriemer based of hybrid polymer dispersion which has got a very short drying time and good block resistance.

Field of application

- Temporary protection against corrosion for steel constructions and cast iron

Product properties

- Water based
- Scratch resistance
- High surface hardness
- Fast drying
- Fast recoatability
- Weldable up to 25-30 µm dry film thickness
- Recoatability: universal
- Release by the company Hensel GmbH, Germany as a primer for fire protection systems F30- F90

Technical Specification

Colours	redbrown, grey. Other colours upon request.
Flash point	Not applicable
Temperature stability	-20 up to 120 (short-term up to 150) °C
Gloss	Mat
Potential dry film thickness in one working process	Up to 40 µm
Viscosity	Apr. 35 sec running time (DIN 4 mm pot)
Density in kg/l	1,347
Solid content in %	54
Solid volume in %	38
Theoretical spreading capacity	<ul style="list-style-type: none"> • 15,2 m²/l at 25 µm DFT • 11,28 m²/kg at 25 µm DFT
Recommended film thickness	50 µm WFT corresponds to 20 µm DFT
Drying (DIN EN ISO 1517)	25 µm DFT
Dust-dry (Tg1)	After 5 min
Touch-dry (Tg4)	After 15 min
Dry (Tg6)	After 30 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	Apr. 20 g/l
Solvent content	Apr. 1 % by weight
Aromatic content	Apr. 1 % by weight

Storage

Storage

- In dry, cool rooms, frost-proof
- Ensure good ventilation

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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	
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 0,013 - 0,019 inch (0,33 - 0,48 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
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% with 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 • 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	<ul style="list-style-type: none"> • During coating and drying the humidity should be min. 30 % / max. 85 % • Object temperature at least 3° C above dew point.
Example for a system	<ul style="list-style-type: none"> • Primer coat: Shopprimer Hydro EcoWeld • Finish coat: Miscellaneous

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