

## Shoppriimer Hydro NeoWeld

Water borne shoppriimer based of hybrid polymer dispersion which has got a very short drying time and good block resistance. Free of lead, cadmium and chromium VI compounds. Welding certificate of SLV Duisburg.

### Field of application

- Temporary protection against corrosion for steel constructions and cast iron in less thickness

### Product properties

- Silicon-free
- Water based
- Scratch resistance
- High surface hardness
- Fast drying
- Fast recoatability
- Weldable up to 25-30 µm dry film thickness
- Recoatability: universal

### Technical Specification

Colours	<b>redbrown, grey.</b> 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	25 up to 40 µm
Viscosity	Appr. 35 sec running time (DIN 4 mm pot)
Density in kg/l	1,34
Solid content in %	54
Solid volume in %	36
Theoretical spreading capacity	<ul style="list-style-type: none"> <li>• 14,4 m²/l at 25 µm DFT</li> <li>• 10,75 m²/kg at 25 µm DFT</li> </ul>
Recommended film thickness	75 µm WFT corresponds to 30 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"> <li>• after 1 h with water based topcoats</li> <li>• after 24 h with single-component topcoats</li> <li>• after 48 h with two component topcoats</li> </ul>
Note	<ul style="list-style-type: none"> <li>• The specifications are based on standard atmospheric conditions 23/50, DIN 50014.</li> <li>• Lower temperatures and/or higher humidity will prolong drying and hardening.</li> </ul>

### Safety information (See Security Data Sheet)

VOC-level	Appr. 8 g/l
Solvent content	Appr. 1 % by weight

### Storage

Storage	<ul style="list-style-type: none"> <li>• In dry, cool rooms, frost-proof</li> <li>• Ensure good ventilation</li> </ul>
Shelf life	<ul style="list-style-type: none"> <li>• 6 month from date of delivery when in unopened original containers in cool and dry conditions</li> </ul>

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### Application methods

Mixing ratio	<ul style="list-style-type: none"> <li>• Stirr homogeneous, preferably with mechanical stirrer</li> </ul>
Airless spraying	<ul style="list-style-type: none"> <li>• Risk of spray dust due to very fast drying</li> <li>• After using the material close the packings immediately</li> <li>• Dip the pistol and the nozzle into water during the breaks</li> <li>• It is tending to fast skinning. Do not stir the skin in any case!</li> <li>• Flow pressure 70 - 100 bar</li> <li>• Nozzle size 0,013 - 0,019 inch (0,33 - 0,48 mm)</li> <li>• Suitable for the application on automatical equipments</li> </ul>
Compressed air spraying	<ul style="list-style-type: none"> <li>• Can be applied as delivered</li> <li>• Spraying pressure 4 bar</li> <li>• Nozzle size 1,3 - 1,5 mm</li> </ul>
Electrostatic application	<ul style="list-style-type: none"> <li>• Application is possible, provided the equipment is suitable for water based materials</li> </ul>
Dipping	<ul style="list-style-type: none"> <li>• Can not be applied as delivered</li> <li>• Adjust to working viscosity (appr. 23 s DIN 4 mm) by adding appr. 2 % Water</li> </ul>
Other methods	<ul style="list-style-type: none"> <li>• Roller and brush application for repair work is possible</li> </ul>
Thinner	<ul style="list-style-type: none"> <li>• Max. 3% Water</li> </ul>
Cleaning	<ul style="list-style-type: none"> <li>• Rinse immediately with Wasser</li> <li>• Residues are dissolvable with Deripox-Verdünnung</li> </ul>
<b>Preparation of support</b>	<ul style="list-style-type: none"> <li>• Shot blasting to a purity according to SA 2½</li> <li>• If necessary clean with high pressure-cleaner and turbo-cleaner-solution</li> <li>• Mill scale, welding residues, dust and dirt on the surface which might reduce adhesion have to be carefully and thoroughly removed</li> </ul>
<b>General remarks</b>	<ul style="list-style-type: none"> <li>• During coating and drying the humidity should be min. 30 % / max. 85 %</li> <li>• Object temperature at least 3° C above dew point.</li> </ul>
<b>Example for a system</b>	<ul style="list-style-type: none"> <li>• Primer coat:</li> <li>• Finish coat: Miscellaneous</li> </ul>

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*Our general terms of sale and delivery apply as agreed.*

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