



**FREIOPLAST-Hydro-Coating**  
WL1606P

<b>Characteristics</b>	<ul style="list-style-type: none"> <li>■ Water-thinnable single-layer coating</li> <li>■ Application, e.g. in the construction and sanitary sector</li> <li>■ Good adhesion to steel and non-ferrous metals</li> <li>■ Fast initial drying</li> </ul>																						
<b>Technical / Physical Data</b>	<table border="1"> <tr> <td>■ Binder-Base</td> <td>Acrylate-styrene copolymer</td> </tr> <tr> <td>■ Colour</td> <td>All common colour shades</td> </tr> <tr> <td>■ Gloss value <small>visual</small></td> <td>mat</td> </tr> <tr> <td>■ Viscosity <small>AFNOR 4</small></td> <td>Flow time 55-65 seconds</td> </tr> <tr> <td>■ Thinner</td> <td>demineralised water</td> </tr> <tr> <td>■ pH-Value</td> <td>9,3-9,7</td> </tr> <tr> <td>■ Density <small>calculated</small></td> <td>1,2-1,4 g/ml</td> </tr> <tr> <td>■ Solid Mass <small>calculated</small></td> <td>54-58 %</td> </tr> <tr> <td>■ Solid content in volume <small>calculated</small></td> <td>370-380 ml/kg</td> </tr> <tr> <td>■ Material usage <small>theoretical, without application loss</small></td> <td>205-215 g/m<sup>2</sup>, Layer thickness 80 µm</td> </tr> <tr> <td>■ Reference colour of the specified values</td> <td>Colour of WL1606PRA204</td> </tr> </table>	■ Binder-Base	Acrylate-styrene copolymer	■ Colour	All common colour shades	■ Gloss value <small>visual</small>	mat	■ Viscosity <small>AFNOR 4</small>	Flow time 55-65 seconds	■ Thinner	demineralised water	■ pH-Value	9,3-9,7	■ Density <small>calculated</small>	1,2-1,4 g/ml	■ Solid Mass <small>calculated</small>	54-58 %	■ Solid content in volume <small>calculated</small>	370-380 ml/kg	■ Material usage <small>theoretical, without application loss</small>	205-215 g/m <sup>2</sup> , Layer thickness 80 µm	■ Reference colour of the specified values	Colour of WL1606PRA204
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<b>Substrate</b>	<ul style="list-style-type: none"> <li>■ Steel</li> <li>■ Steel - preliminary test required for galvanised substrates</li> <li>■ Steel, passivated or pretreated substrates</li> </ul>																						
<b>Pretreatment</b>	<ul style="list-style-type: none"> <li>■ The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue. Preliminary tests are recommended for assuring the suitability of coating qualities on the substrate. For more stringent requirements, we recommend: for corrosion protection - e.g. phosphating for adhesion - e.g. blasting, pickling, sanding</li> </ul>																						
<b>Structure recommendation</b>	<table border="1"> <tr> <td>■ Substrate</td> <td>on bare steel plate</td> </tr> <tr> <td>■ Top coat</td> <td>WL1606PRA204 Dry film thickness 50 µm</td> </tr> </table>	■ Substrate	on bare steel plate	■ Top coat	WL1606PRA204 Dry film thickness 50 µm																		
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<b>Processing and application</b>	<ul style="list-style-type: none"> <li>■ Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). To prevent skin formation, over-coat with water. Dry film thickness must not exceed 80 µm - risk of reaction bubbles.</li> </ul> <table border="1"> <tr> <td>■ Object temperature</td> <td>10-30 °C</td> </tr> </table>	■ Object temperature	10-30 °C																				
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Our technical data sheets are to provide you with advice based on our latest state of knowledge. This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications. The sale of our products is in accordance with our terms of business and delivery.



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	<ul style="list-style-type: none"> <li>■ Processing conditions Room temperature 18-22 °C Relative humidity 40-60 %</li> <li>■ High pressure spraying as delivered viscosity Nozzle: 1,4 mm Spray pressure 3-4 bar</li> <li>■ Immersing 17-20 Sec/ 4 mm Viscosity cup (DIN 53211)</li> <li>■ Over-coating capability possible with same quality, dry at the earliest after matting</li> <li>■ Cleaning of equipment Immediately with water - possibly with addition of 5-10 % by weight EFD cleaning agent 400916. Dried-on equipment with org. solvents, e.g. EFD thinner 400424.</li> <li>■ <b>Health &amp; Safety at Work guidelines</b> The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous substances, safety data and recommendations concerning Health &amp; Safety at Work and environmental protection can be found in the corresponding safety data sheet.</li> </ul>
<b>Curing</b>	<ul style="list-style-type: none"> <li>■ Air drying at 20 °C, 40-60 % relative humidity with air movement</li> <li>■ Dust drying after 40 min. (degree of drying 1/ DIN EN ISO 9117-5)</li> <li>■ Dry to the touch after 1 hrs. (degree of drying 4/ DIN EN ISO 9117-5)</li> <li>■ Full drying after 3 days (pendulum damping/DIN EN ISO 1522)</li> <li>■ Oven drying possible to °C</li> </ul>
<b>Resistance to storage</b>	<ul style="list-style-type: none"> <li>■ Approx. 12 month in original packagings at an ambient temperature of 5 to 25 °C. Protect from frost. Open packages are to be used within a short time.</li> </ul> <p>The minimum storage stability of each batch is stated on the product label. The material does not necessarily become unusable if stored for longer than this period. However, for quality assurance purposes, an inspection of these materials is essential to ensure that they are still suitable for the intended application.</p>
<b>Specific comments</b>	<ul style="list-style-type: none"> <li>■ <b>EFD-info</b> Refer to the EFD information for further technical information. Nr. 111</li> <li>■ <b>Test conditions</b> All information is based on a standard climate 23/50 DIN EN 23270. All information is based on our product knowledge and experience. We have no direct influence on the application itself. Please do not hesitate to contact us for further information.</li> </ul> <p>The information provided here contains reference values and does not constitute a specification.</p>