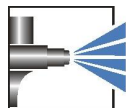


# FREIOPLAST-Hydro-Primer

## WL1535M

<b>Characteristics</b>	<ul style="list-style-type: none"> <li>■ Water-thinnable 1C coating</li> <li>■ Application, e.g. in the vehicle construction sector</li> <li>■ Fast initial drying</li> <li>■ Fast complete drying</li> <li>■ Good corrosion protection</li> <li>■ Good adhesion to steel and non-ferrous metals</li> <li>■ Good grindability</li> </ul>																						
<b>Technical / Physical Data</b>	<table> <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 DIN EN ISO 2813</td><td>tuff mat 1-5 Angle 60°</td></tr> <tr> <td>■ Viscosity DIN 53211 (formerly)</td><td>Flow time 40-60 seconds 4 mm viscosity cup</td></tr> <tr> <td>■ Thinner</td><td>demineralised water</td></tr> <tr> <td>■ pH-Value</td><td>8,2-8,6</td></tr> <tr> <td>■ Density calculated</td><td>1,15-1,35 g/ml</td></tr> <tr> <td>■ Solid Mass calculated</td><td>47-53 %</td></tr> <tr> <td>■ Solid content in volume calculated</td><td>275-295 ml/kg</td></tr> <tr> <td>■ Material usage theoretical, without application loss</td><td>200-220 g/m<sup>2</sup>, Layer thickness 60 µm</td></tr> <tr> <td>■ Reference colour of the specified values</td><td>Colour of WL1535MV1563</td></tr> </table>	■ Binder-Base	Acrylate-styrene copolymer	■ Colour	All common colour shades	■ Gloss value DIN EN ISO 2813	tuff mat 1-5 Angle 60°	■ Viscosity DIN 53211 (formerly)	Flow time 40-60 seconds 4 mm viscosity cup	■ Thinner	demineralised water	■ pH-Value	8,2-8,6	■ Density calculated	1,15-1,35 g/ml	■ Solid Mass calculated	47-53 %	■ Solid content in volume calculated	275-295 ml/kg	■ Material usage theoretical, without application loss	200-220 g/m <sup>2</sup> , Layer thickness 60 µm	■ Reference colour of the specified values	Colour of WL1535MV1563
■ Binder-Base	Acrylate-styrene copolymer																						
■ Colour	All common colour shades																						
■ Gloss value DIN EN ISO 2813	tuff mat 1-5 Angle 60°																						
■ Viscosity DIN 53211 (formerly)	Flow time 40-60 seconds 4 mm viscosity cup																						
■ Thinner	demineralised water																						
■ pH-Value	8,2-8,6																						
■ Density calculated	1,15-1,35 g/ml																						
■ Solid Mass calculated	47-53 %																						
■ Solid content in volume calculated	275-295 ml/kg																						
■ Material usage theoretical, without application loss	200-220 g/m <sup>2</sup> , Layer thickness 60 µm																						
■ Reference colour of the specified values	Colour of WL1535MV1563																						
<b>Substrate</b>	<ul style="list-style-type: none"> <li>■ Steel, passivated or pretreated substrates</li> <li>■ Steel</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> <tr> <td>■ Substrate</td><td>on iron-phosphated steel plate</td></tr> <tr> <td>■ Primer</td><td>WL1535MV1563 Dry film thickness 60 µm</td></tr> <tr> <td>■ Top coat</td><td>WU1488GRG910 Mixing ratio 3,3:1/ HU0448 Dry film thickness 50 µm</td></tr> </table>	■ Substrate	on iron-phosphated steel plate	■ Primer	WL1535MV1563 Dry film thickness 60 µm	■ Top coat	WU1488GRG910 Mixing ratio 3,3:1/ HU0448 Dry film thickness 50 µm																
■ Substrate	on iron-phosphated steel plate																						
■ Primer	WL1535MV1563 Dry film thickness 60 µm																						
■ Top coat	WU1488GRG910 Mixing ratio 3,3:1/ HU0448 Dry film thickness 50 µm																						
<b>Mechanical Test</b>	<table> <tr> <td>■ Cross-cut-test DIN EN ISO 2409</td><td>Gt 0</td></tr> </table>	■ Cross-cut-test DIN EN ISO 2409	Gt 0																				
■ Cross-cut-test DIN EN ISO 2409	Gt 0																						

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.

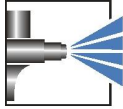


# FREIOPLAST-Hydro-Primer

## WL1535M

Resistance Test	■ Condensate constant climate DIN EN ISO 6270-2 (CH)	120 hours Degree of blistering 0 (S 0) DIN EN ISO 4628-2
	■ Salt spray test (NSS) DIN EN ISO 9227	120 hours Water ingress Wb < 4 mm DIN EN ISO 4628-8
Processing and application	■ 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.	
	■ Object temperature	10-30 °C
	■ Processing conditions	Room temperature 15-25 °C Relative humidity 40-70 %
	■ Airmix spraying	as delivered viscosity Nozzle 11 mm Angle 30° Material pressure 120 bar Atomiser pressure 4-6
	■ Rolling / painting	as delivered viscosity
	■ Over-coating capability	possible with same quality, dry at the earliest after matting
	■ 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.
	■ <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 & Safety at Work and environmental protection can be found in the corresponding safety data sheet.	
Curing	■ Air drying	at 20 °C, 40-70 % relative humidity with air movement
	■ Dust drying	after 15 min. (degree of drying 1/ DIN EN ISO 9117-5)
	■ Dry to the touch	after 0,5 hrs. (degree of drying 4/ DIN EN ISO 9117-5)
	■ Full drying	after 3 days (pendulum damping/DIN EN ISO 1522)
	■ Oven drying	possible to 60°C
Resistance to storage	■ Approx. 9 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.  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.	
	Specific comments	

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.



## **FREIOPLAST-Hydro-Primer** **WL1535M**

### ■ **EFD-info**

Refer to the EFD information for further technical information.  
Nr. 111

### ■ **Test conditions**

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.

The information provided here contains reference values and does not constitute a specification.