



FREIOPLAST-Hydro-Structurecoat

WL1536M

Characteristics	<ul style="list-style-type: none"> ■ Water-thinnable 1C coating ■ Application, e.g. in the vehicle construction sector ■ Structure effect ■ Fast initial drying ■ Forced drying possible ■ Rapid recoatability 																						
Technical / Physical Data	<table> <tr> <td>■ Binder-Base</td><td>Styrene butadiene dispersion</td></tr> <tr> <td>■ Colour</td><td>All common colour shades</td></tr> <tr> <td>■ Gloss value visual</td><td>mat</td></tr> <tr> <td>■ Viscosity</td><td>7000-8000 mPa.s/ Spindle 7 60 revolution/ min.</td></tr> <tr> <td>■ Thinner</td><td>demineralised water</td></tr> <tr> <td>■ pH-Value</td><td>8,5-8,7</td></tr> <tr> <td>■ Density calculated</td><td>1,05-1,10 g/ml</td></tr> <tr> <td>■ Solid Mass calculated</td><td>50-54 %</td></tr> <tr> <td>■ Solid content in volume calculated</td><td>400-420 ml/kg</td></tr> <tr> <td>■ Material usage theoretical, without application loss</td><td>140-150 g/m², Layer thickness 60 µm</td></tr> <tr> <td>■ Reference colour of the specified values</td><td>Colour of WL1536MRU611</td></tr> </table>	■ Binder-Base	Styrene butadiene dispersion	■ Colour	All common colour shades	■ Gloss value visual	mat	■ Viscosity	7000-8000 mPa.s/ Spindle 7 60 revolution/ min.	■ Thinner	demineralised water	■ pH-Value	8,5-8,7	■ Density calculated	1,05-1,10 g/ml	■ Solid Mass calculated	50-54 %	■ Solid content in volume calculated	400-420 ml/kg	■ Material usage theoretical, without application loss	140-150 g/m ² , Layer thickness 60 µm	■ Reference colour of the specified values	Colour of WL1536MRU611
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Substrate	<ul style="list-style-type: none"> ■ Primer 																						
Pretreatment	<ul style="list-style-type: none"> ■ 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 																						
Structure recommendation	<table> <tr> <td>■ Substrate</td><td>according to customer requirements</td></tr> <tr> <td>■ Primer</td><td>ER1912MRU735 Mixing ratio 5:1/ HE0052 Dry film thickness 60 µm</td></tr> <tr> <td>■ Intermediate layer</td><td>WL1536MRU611 Dry film thickness 150 µm</td></tr> <tr> <td>■ Top coat</td><td>WU1488GS2614 Mixing ratio 3,3:1/ HU0448 Dry film thickness 40 µm</td></tr> </table>	■ Substrate	according to customer requirements	■ Primer	ER1912MRU735 Mixing ratio 5:1/ HE0052 Dry film thickness 60 µm	■ Intermediate layer	WL1536MRU611 Dry film thickness 150 µm	■ Top coat	WU1488GS2614 Mixing ratio 3,3:1/ HU0448 Dry film thickness 40 µm														
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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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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.
	■ Object temperature 18-28 °C
	■ Processing conditions Room temperature 18-28 °C Relative humidity 40-60 %
	■ High pressure spraying as delivered viscosity Nozzle: 2 mm Spray pressure 5 bar
	■ Over-coating capability possible based on pre-test
	■ 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.
	■ Health & Safety at Work guidelines 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, 40-60 % relative humidity with air movement
	■ Dust drying after 20 min. (degree of drying 1/ DIN EN ISO 9117-5)
	■ Dry to the touch after 5 hrs. (degree of drying 4/ DIN EN ISO 9117-5)
	■ Full drying after 14 days (pendulum damping/DIN EN ISO 1522)
	■ Oven drying possible to 80°C
Resistance to storage	■ 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. 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	■ 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.