



## WE1436M\_HE0014 FREOPOX-Hydro-Primer

### Product description

<b>Product technology</b>	water-thinnable 2C coating
<b>Application area</b>	e.g. in the vehicle construction sector
<b>Mechanical resistance</b>	good hardness and elasticity
<b>Corrosion protection</b>	good
<b>Substrate</b>	Steel, Steel, blasted

### General product properties

<b>Binder-Base</b>	Polyamine	
<b>Colour</b>	All common colour shades	
<b>Viscosity</b>	800-1500 mPa*s, spindle 4, 60 revolutions/min.	DIN EN ISO 2555
<b>pH-Value</b>	8,4-9,0	DIN 19260
<b>Density</b>	1,2-1,3 g/ml after addition of hardener	theoretical
<b>Solid mass</b>	58,0-59,0 % after addition of hardener	theoretical
<b>Solid content in volume</b>	48,0-49,0 % after addition of hardener	theoretical
<b>Reference product</b>	The values given refer to the product with the shade WE1436MRU905.	
<b>Resistance to storage</b>	<p>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.</p> <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>	



## WE1436M\_HE0014 FREOPOX-Hydro-Primer

### Application and processing

<b>Pretreatment</b>	The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, mill scale, wax and release agent residues. We recommend the use of suitable mechanical pre-treatment processes (e.g. blasting, grinding) or chemical pre-treatment processes (e.g. phosphating) according to the requirements.	
<b>Structure recommendation</b>	Substrate	On blasted steel plate
<b>Note before use</b>	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). To prevent skin formation, over-coat with water.	
<b>Hardener</b>	HE0436 see technical data sheet	
<b>Mixin ratio</b>	Parts by weight 1:1 Volume parts 0,75:1	
<b>Thinning</b>	demineralised water	
<b>Dry film thickness</b>	must not exceed 200 µm – risk of reaction bubbles.	
<b>Object temperature</b>	15-30 °C, minimum +3 °C above dew point temperature	
<b>Processing conditions</b>	Room temperature 18-22 °C Relative humidity 40-60 %	
<b>Processing time</b>	max. 3 hrs. / 20 °C End of the processing time cannot be detected from gelling. The processing time can decrease at higher temperatures and/or under pressure.	
<b>Airless spraying</b>	30-40 sec. / 6 mm viscosity cup Nozzle 0,33 mm angle 30° Material pressure 100 bar	DIN 53211
<b>Airmix spraying</b>	30-40 sec. / 6 mm viscosity cup Nozzle 0,33 mm angle 30° Material pressure 100 bar Atomiser pressure 4 bar	DIN 53211
<b>High pressure spraying</b>	30-40 sec. / 6 mm Flow cup Nozzle 1,3 mm Injection pressure 4 bar	DIN 53211
<b>Material usage</b>	without application loss 200-210 g/m <sup>2</sup> layer thickness 80 µm after addition of hardener	theoretical
<b>Oven drying</b>	up to 70 °C possible	
<b>Air drying</b>	20°C, 50% °C, 0 % relative humidity	

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, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS

Page 2/3 | Version 1

Revision date: Oct 28, 2024

Print date: Oct 29, 2024

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6  
78199 Bräunlingen-Döggingen | Deutschland  
+49 77071510  
[www.freilacke.de](http://www.freilacke.de) | [info@freilacke.de](mailto:info@freilacke.de)



## WE1436M\_HE0014 FREOPOX-Hydro-Primer

<b>Dust drying</b>	after 30 minutes (degree of dryness 1)	DIN EN ISO 9117-5
<b>Dry to the touch</b>	after 6 hours (degree of dryness 4)	DIN EN ISO 9117-5
<b>Full drying</b>	after 10 day/s (pendulum damping)	DIN EN ISO 1522
<b>Cleaning of equipment</b>	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.	

### Further processing of coated pieces

<b>Repainting</b>	possible with same quality, dry at the earliest after matting.
-------------------	--

### Comments

<b>EFD info</b>	Further technical information can be found in the EFD Info. No. 111 + 510.
<b>Work-and Healthprotection</b>	The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health and Safety at Work and environmental protection can be found in the corresponding safety data sheet.
<b>Test conditions</b>	<p>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.</p> <p>The information provided here contains reference values and does not constitute a specification.</p>