



WE1436M_HE0436 FREOPOX-Hydro-Primer

Product description

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

General product properties

Binder-Base	Polyamine	
Colour	All common colour shades	
Viscosity	800-1500 mPa*s, spindle 4, 60 revolutions/min.	DIN EN ISO 2555
pH-Value	8,4-9,0	DIN 19260
Density	1,2-1,3 g/ml after addition of hardener	theoretical
Solid mass	57,5-59,5 % after addition of hardener	theoretical
Solid content in volume	47,0-49,0 % after addition of hardener	theoretical
Reference product	The values given refer to the product with the shade WE1436MRU905.	
Resistance to storage	<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>	



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Application and processing

Pretreatment	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.	
Structure recommendation	Substrate	On blasted steel plate
	Primer	WE1436M Mixing ratio 1:1/HE0436 Dry film thickness 80 µm
	Top coat	WU1488G Mixing ratio 3,3:1 / HU0448 Dry film thickness 70 µm
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). To prevent skin formation, over-coat with water.	
Hardener	HE0436 see technical data sheet	
Mixin ratio	Parts by weight 1:1 Volume parts 0,75:1	
Thinning	demineralised water	
Dry film thickness	must not exceed 200 µm – risk of reaction bubbles.	
Object temperature	15-30 °C, minimum +3 °C above dew point temperature	
Processing conditions	Room temperature 18-22 °C Relative humidity 40-60 %	
Processing time	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.	
Airless spraying	30-40 sec. / 6 mm viscosity cup Nozzle 0,33 mm angle 30° Material pressure 100 bar	DIN 53211
Airmix spraying	30-40 sec. / 6 mm viscosity cup Nozzle 0,33 mm angle 30° Material pressure 100 bar Atomiser pressure 4 bar	DIN 53211
High pressure spraying	30-40 sec. / 6 mm Flow cup Nozzle 1,3 mm Injection pressure 4 bar	DIN 53211
Material usage	without application loss 200-210 g/m ² layer thickness 80 µm after addition of hardener	theoretical
Oven drying	up to 70 °C possible	
Air drying	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

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

Further processing of coated pieces

Repainting	possible with same quality, dry at the earliest after matting.
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Comments

EFD info	Further technical information can be found in the EFD Info. No. 111 + 510.
Work-and Healthprotection	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.
Test conditions	<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>