



WL1535M

FREIOPLAST-Hydro-Primer

Product description

Product technology	water-thinnable 1C coating
Application area	e.g. in the vehicle construction sector
Drying	quickly
Substrate	Non-ferrous metals, Steel

General product properties

Binder-Base	Acrylate-styrene copolymer
Colour	All common colour shades
Gloss visually	tuff mat
Viscosity	Flow time 40-60 sec. 4 mm flow cup DIN 53211
pH-Value	8,2-8,6 DIN 19260
Solid mass	48-54 % theoretical
Solid content in volume	34-39 % theoretical
Reference product	The values given refer to the product with the shade WL1535MRU732.
Resistance to storage	<p>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.</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 iron-phosphated steel plate
Structure recommendation	Primer	WL1535MRU732 Dry film thickness 60 µm
Structure recommendation	Top coat	WU1488GRG910 Mixing ratio 3,3:1/ HU0448 Dry film thickness 50 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.	
Thinning	demineralised water	
Dry film thickness	must not exceed 80 µm – risk of reaction bubbles.	
Object temperature	10-30 °C, minimum +3 °C above dew point temperature	
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 bar	
Material usage	without application loss 200-220 g/m ² layer thickness 60 µm	theoretical
Oven drying	up to 60 °C possible	
Air drying	18-22 °C, 40-60 % relative humidity	
Dust drying	after 15 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 0,5 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 3 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.	



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Further processing of coated pieces

Repainting

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

Comments

EFD info

Further technical information can be found in the EFD Info. No. 111.

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

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.