WL1557M

FREIOPLAST-Hydro-Coating

Product description

Product technology	water-thinnable 1C coating
Application area	e.g. in the mechanical engineering and plant construction sector
Blocking resistance	good
Substrate	Steel

General product properties

Binder-Base	Acrylate-styrene copolymer		
Colour	All common colour shades		
Gloss value	mat	30-50 GU, angle 85°	DIN EN ISO 2813
Viscosity	1300-2000 mPa*s, spindle 4, 60 revolutions/min.		DIN EN ISO 2555
pH-Value	8,3-8,7		DIN 19260
Solid mass	50-52 %		theoretical
Solid content in volume	40-42 %		theoretical
Reference product	The values given refer to the product with the shade WL1557MRA711.		
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.		

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
	Top coat	WL1557MRA711 Dry film thickness 60 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.	

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Thinning	demineralised water	
Object temperature	10-30 °C, minimum +3 °C above dew point temperature	
Processing conditions	Room temperature 23 °C Relative humidity 40-50 %	
Airmix spraying	as delivered viscosity Nozzle 11 mm angle 30° Material pressure 80 bar Atomiser pressure 3 bar	
Material usage	without application loss 230-240 g/m² layer thickness 80 µm	theoretical
Oven drying	up to 70 °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 20 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.

Comments

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 an 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.

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