FreiLacke

FREIOPLAST-HydroStrippableCoat
WL1621HRU999

Characteristics	■ Water-thinnable 1C coating ■ Application, e.g. in the mechanical engineering and plant construction sector ■ Fast initial drying ■ Suitable for various substrates ■ Good flexibility	
Technical / Physical Data	■ Binder-Base	Polymerisation resin
	■ Colour	colourless
	■ Gloss value visual	satin glossy
	■ Viscosity	4500-5500 mPa.s/ Spindle 5 60 revolution/ min.
	■ Thinner	demineralised water
	■ pH-Value	7-9
	■ Density calculated	1,06-1,07 g/ml
	■ Solid Mass calculated	48-52 %
	■ Solid content in volume calculated	350-450 ml/kg
	■ Material usage theoretical, without application loss	250-350 g/m², Layer thickness 120 µm
	■ Reference colour of the specified values	Colour of WL1621HRU999
Substrate	■ Aluminium ■ Stainless steel ■ Steel	
Pretreatment	■ The substrate must be free of adhesion-impairing substances such as oil, grease, wax and separating agent residue. Preliminary tests are recommended for assuring the suitability of coating qualities on the substrate.	
Structure recommendation	■ Substrate	on bare steel plate
	■ Primer	WL1621HRU999 Dry film thickness 120 µm
Mechanical Test	■ Cross-cut-test DIN EN ISO 2409	Gt 5
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. Dry film thickness must not exceed 2000 µm - risk of reaction bubbles.	
	■ Object temperature	10-30 °C
	■ Processing conditions	Room temperature 18-22 °C Relative humidity 40-60 %

DIN EN ISO 9001
IATF 16949
EMAS

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	Airless spraying	as delivered viscosity Nozzle 0,15 mm angle 30° Material pressure 150 bar
	Rolling / painting	as delivered viscosity
	Over-coating capability	possible with same quality, dry at the earliest after matting
	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, 50 % relative humidity with air movement
	Dust drying	after 30 min. (degree of drying 1/ DIN EN ISO 9117-5)
	Dry to the touch	after Min. (degree of drying 4/ DIN EN ISO 9117-5)
	Full drying	after 2 days (pendulum damping/DIN EN ISO 1522)

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.

Specific comments

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.

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