



FREIOPLAST-Hydro-Metallic-Coat

WL1557M-Met.

Characteristics	- Water-thinnable 1C coating - Application, e.g. in the mechanical engineering and plant construction sector - Good blocking resistance - For interior use	
Technical / Physical Data	- Binder-Base: Acrylate-styrene copolymer - Colour: Metallic colour shades - Gloss value DIN EN ISO 2813: mat 30-50 Angle 85° - Viscosity: 1300-2000 mPa.s/ Spindle 4 60 revolution/ min. - Thinner: demineralised water - pH-Value: 8,4-8,6 - Density calculated: 1,1-1,2 g/ml - Solid Mass calculated: 42-46 % - Solid content in volume calculated: 290-320 ml/kg - Material usage theoretical, without application loss: 260-270 g/m², Layer thickness 80 µm - Reference colour of the specified values: Colour of WL1557MRA907	
Substrate	- Steel - preliminary test required for galvanised substrates - Steel, passivated or pretreated substrates	
Pretreatment	The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue. Preliminary tests are recommended for assuring the suitability of coating qualities on the substrate. For more stringent requirements, we recommend: for corrosion protection - e.g. phosphating for adhesion - e.g. blasting, pickling, sanding	
Structure recommendation	- Substrate: on iron-phosphated steel plate - Top coat: WL1557MRA907 Dry film thickness 60 µm	
Mechanical Test	Cross-cut-test DIN EN ISO 2409: Gt 0	
Resistance Test	Condensate constant climate DIN EN ISO 6270-2 (CH): 264 hours Degree of blistering 0 (S 0) DIN EN ISO 4628-2	
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.	

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 and delivery.



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	■ Object temperature	10-30 °C
	■ 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
	■ 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 15 min. (degree of drying 1/ DIN EN ISO 9117-5)
	■ Dry to the touch	after 20 hrs. (degree of drying 4/ DIN EN ISO 9117-5)
	■ Full drying	after 10 days (pendulum damping/DIN EN ISO 1522)
	■ Oven drying	possible to 70°C
Resistance to storage	■ Approx. 6 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.	