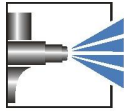




FREIOTHERM-Hydro-Coating **WO1800H**

Characteristics	■ Water-thinnable baking coating ■ Application, e.g. in the construction and sanitary sector ■ Good condensation resistance ■ Good adhesion to steel and non-ferrous metals ■ For exterior use ■ Good hardness and elasticity	
Technical / Physical Data	■ Binder-Base	Combination of acrylate/polyester/amino resin
	■ Colour	All common colour shades
	■ Gloss value DIN EN ISO 2813	satin mat 45-60 Angle 60°
	■ Viscosity DIN 53211 (formerly)	Flow time 16-25 seconds 4 mm viscosity cup
	■ Thinner	demineralised water
	■ pH-Value	8,3-8,7
	■ Density calculated	1,15-1,25 g/ml
	■ Solid Mass calculated	34-38 %
	■ Solid content in volume calculated	220-230 ml/kg
	■ Material usage theoretical, without application loss	150-170 g/m ² , Layer thickness 40 µm
	■ Reference colour of the specified values	Colour of WO1800HRA905
Substrate	■ Steel	
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 ■ Top coat	on bare steel plate WO1800HRA905 Dry film thickness 30 µm
Mechanical Test	■ Cross-cut-test DIN EN ISO 2409	Gt 0
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 40 µm - risk of reaction bubbles. ■ Object temperature	
		10-30 °C

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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	■ Processing conditions	Room temperature 18-25 °C Relative humidity 40-60 %
	■ Immersing	16-25 Sec/ 4 mm Viscosity cup (DIN 53211)
	■ 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	■ Oven drying	20 min./ 160 °C - 10 min./ 180 °C
	■ Object temperature	green cross-hatching = baking conditions with good final properties
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.	