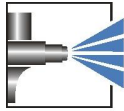


# FREIOTHERM-Hydro-Coating

## WO1821V

<b>Characteristics</b>	■ Water-thinnable baking coating	
	■ Application, e.g. in the construction and sanitary sector	
	■ Metallic effect	
	■ Fast initial drying	
	■ Good stone chip resistance	
	■ Good blocking resistance	
	■ Good scratch resistance	
<b>Technical / Physical Data</b>	■ Binder-Base	Combination of acrylate/polyester/amino resin
	■ Colour	Metallic colour shades
	■ Gloss value DIN EN ISO 2813	satin mat Angle °
	■ Viscosity DIN 53211 (formerly)	Flow time 23-27 seconds 4 mm viscosity cup
	■ Thinner	demineralised water
	■ pH-Value	7,9-8,1
	■ Density calculated	1,012-1,032 g/ml
	■ Solid Mass calculated	14,3-17,3 %
	■ Solid content in volume calculated	137-149 ml/kg
	■ Material usage theoretical, without application loss	200-220 g/m <sup>2</sup> , Layer thickness 30 µm
<b>Substrate</b>	■ Reference colour of the specified values	Colour of WO1821VB2340
	■ Aluminium, pretreated	
	■ Primer	
<b>Pretreatment</b>	■ Steel, passivated or pretreated substrates	
	■ 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	
<b>Structure recommendation</b>	■ Substrate	Aluminium
	■ Top coat	WO1821VB2340 Dry film thickness 30 µm
<b>Mechanical Test</b>	■ Cross-cut-test DIN EN ISO 2409	Gt 0
	■ Chemical resistance	Needs to be checked.

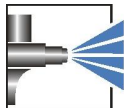
Our technical data sheets are to provide you with advice based on our latest state of knowledge. This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications. The sale of our products is in accordance with our terms of business and delivery.



# **FREIOTHERM-Hydro-Coating** **WO1821V**

		The temperature and concentration of chemicals have a major influence on the test outcome.
<b>Processing and application</b>	■	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 80 µm - risk of reaction bubbles.
	■	Object temperature 10-30 °C
	■	Processing conditions Room temperature 18-22 °C Relative humidity 40-60 %
	■	High pressure spraying 23-27 Sec./ 4 mm Viscosity cup (DIN 53211) Nozzle 1,2 mm Spray pressure 4 bar
	■	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.
	■	<b>Health &amp; Safety at Work guidelines</b> 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.
<b>Curing</b>	■	Oven drying 10 min./ 170 °C - 20 min./ 150 °C
	■	<b>Object temperature</b> green cross-hatching = baking conditions with good final properties
<b>Resistance to storage</b>	■	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

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## FREIOTHERM-Hydro-Coating WO1821V

	<p>purposes, an inspection of these materials is essential to ensure that they are still suitable for the intended application.</p>
<b>Specific comments</b>	<ul style="list-style-type: none"> <li>■ <b>EFD-info</b> Refer to the EFD information for further technical information. Nr. 111</li> <li>■ <b>Test conditions</b> 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.</li> </ul> <p>The information provided here contains reference values and does not constitute a specification.</p>