



# FREIOTHERM-Hydro-Coating

## WO1875H

<b>Characteristics</b>	<ul style="list-style-type: none"> <li>Water-thinnable baking coating</li> <li>Application, e.g. in the automotive sector</li> <li>Good mechanical resistance</li> <li>Good condensation resistance</li> </ul>																						
<b>Technical / Physical Data</b>	<table> <tr> <td>Binder-Base</td><td>Combination of acrylate/amino resin</td></tr> <tr> <td>Colour</td><td>All common colour shades</td></tr> <tr> <td>Gloss value DIN EN ISO 2813</td><td>satin mat 35-50 Angle 60°</td></tr> <tr> <td>Viscosity DIN 53211 (formerly)</td><td>Flow time 30-36 seconds 4 mm viscosity cup</td></tr> <tr> <td>Thinner</td><td>demineralised water</td></tr> <tr> <td>pH-Value</td><td>7,9-8,1</td></tr> <tr> <td>Density calculated</td><td>1,04-1,06 g/ml</td></tr> <tr> <td>Solid Mass calculated</td><td>24-28 %</td></tr> <tr> <td>Solid content in volume calculated</td><td>195-205 ml/kg</td></tr> <tr> <td>Material usage theoretical, without application loss</td><td>100-105 g/m<sup>2</sup>, Layer thickness 20 µm</td></tr> <tr> <td>Reference colour of the specified values</td><td>Colour of WO1875HK2866</td></tr> </table>	Binder-Base	Combination of acrylate/amino resin	Colour	All common colour shades	Gloss value DIN EN ISO 2813	satin mat 35-50 Angle 60°	Viscosity DIN 53211 (formerly)	Flow time 30-36 seconds 4 mm viscosity cup	Thinner	demineralised water	pH-Value	7,9-8,1	Density calculated	1,04-1,06 g/ml	Solid Mass calculated	24-28 %	Solid content in volume calculated	195-205 ml/kg	Material usage theoretical, without application loss	100-105 g/m <sup>2</sup> , Layer thickness 20 µm	Reference colour of the specified values	Colour of WO1875HK2866
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<b>Substrate</b>	<ul style="list-style-type: none"> <li>KTL primed</li> </ul>																						
<b>Pretreatment</b>	<ul style="list-style-type: none"> <li>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. Chromating or corresponding chrome-free conversion coatings.</li> </ul>																						
<b>Structure recommendation</b>	<table> <tr> <td>Substrate</td><td>on chromated aluminium plate</td></tr> <tr> <td>Primer</td><td>KTL-Grundierung Dry film thickness 20-30 µm</td></tr> <tr> <td>Top coat</td><td>WO1875HK2866 Dry film thickness 20 µm</td></tr> </table>	Substrate	on chromated aluminium plate	Primer	KTL-Grundierung Dry film thickness 20-30 µm	Top coat	WO1875HK2866 Dry film thickness 20 µm																
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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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	<ul style="list-style-type: none"> <li>■ Salt spray test (CASS) DIN EN ISO 9227</li> </ul>	96 hours Water ingress Wb < 2 mm DIN EN ISO 4628-8
<b>Processing and application</b>	<ul style="list-style-type: none"> <li>■ Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). To prevent skin formation, over-coat with water.</li> <li>■ Object temperature</li> <li>■ Processing conditions</li> <li>■ High pressure spraying</li> <li>■ Electrostatic</li> <li>■ Cleaning of equipment</li> <li>■ <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 &amp; Safety at Work and environmental protection can be found in the corresponding safety data sheet.</li> </ul>	10-30 °C  Room temperature 15-25 °C Relative humidity 50-70 %  as delivered viscosity Nozzle: 1,2 mm Spray pressure 4 bar  possible, system-specific  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>Curing</b>	<ul style="list-style-type: none"> <li>■ Oven drying</li> <li>■ <b>Object temperature</b> Baking window on request</li> </ul>	10 min./ 130 °C - 7 min./ 150 °C
<b>Resistance to storage</b>	<ul style="list-style-type: none"> <li>■ Approx. 12 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.</li> </ul> <p>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.</p>	
<b>Specific comments</b>	<ul style="list-style-type: none"> <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>	