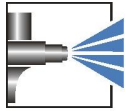


FREIOTHERM-Hydro-Lackfarbe
WO1813H

Characteristics	<ul style="list-style-type: none"> ■ Water-thinnable baking coating ■ Application, e.g. in the construction and sanitary sector ■ Good corrosion protection ■ Good adhesion to steel and non-ferrous metals ■ For exterior use ■ Good hardness and elasticity 																						
Technical / Physical Data	<table border="1"> <tr> <td>■ Binder-Base</td> <td>Combination of special binders</td> </tr> <tr> <td>■ Colour</td> <td>All common colour shades</td> </tr> <tr> <td>■ Gloss value <small>visual</small></td> <td>satın glossy</td> </tr> <tr> <td>■ Viscosity <small>DIN 53211 (formerly)</small></td> <td>Flow time 27-32 seconds 4 mm viscosity cup</td> </tr> <tr> <td>■ Thinner</td> <td>demineralised water</td> </tr> <tr> <td>■ pH-Value</td> <td>7,8-8,5</td> </tr> <tr> <td>■ Density <small>calculated</small></td> <td>1,10-1,20 g/ml</td> </tr> <tr> <td>■ Solid Mass <small>calculated</small></td> <td>40-45 %</td> </tr> <tr> <td>■ Solid content in volume <small>calculated</small></td> <td>290-310 ml/kg</td> </tr> <tr> <td>■ Material usage <small>theoretical, without application loss</small></td> <td>150-160 g/m², Layer thickness 40 µm</td> </tr> <tr> <td>■ Reference colour of the specified values</td> <td>Colour of WO1813HRU705</td> </tr> </table>	■ Binder-Base	Combination of special binders	■ Colour	All common colour shades	■ Gloss value <small>visual</small>	satın glossy	■ Viscosity <small>DIN 53211 (formerly)</small>	Flow time 27-32 seconds 4 mm viscosity cup	■ Thinner	demineralised water	■ pH-Value	7,8-8,5	■ Density <small>calculated</small>	1,10-1,20 g/ml	■ Solid Mass <small>calculated</small>	40-45 %	■ Solid content in volume <small>calculated</small>	290-310 ml/kg	■ Material usage <small>theoretical, without application loss</small>	150-160 g/m ² , Layer thickness 40 µm	■ Reference colour of the specified values	Colour of WO1813HRU705
■ Binder-Base	Combination of special binders																						
■ Colour	All common colour shades																						
■ Gloss value <small>visual</small>	satın glossy																						
■ Viscosity <small>DIN 53211 (formerly)</small>	Flow time 27-32 seconds 4 mm viscosity cup																						
■ Thinner	demineralised water																						
■ pH-Value	7,8-8,5																						
■ Density <small>calculated</small>	1,10-1,20 g/ml																						
■ Solid Mass <small>calculated</small>	40-45 %																						
■ Solid content in volume <small>calculated</small>	290-310 ml/kg																						
■ Material usage <small>theoretical, without application loss</small>	150-160 g/m ² , Layer thickness 40 µm																						
■ Reference colour of the specified values	Colour of WO1813HRU705																						
Substrate	<ul style="list-style-type: none"> ■ Steel 																						
Pretreatment	<ul style="list-style-type: none"> ■ 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	<table border="1"> <tr> <td>■ Substrate</td> <td>on bare steel plate</td> </tr> <tr> <td>■ Top coat</td> <td>WO1813HRU704 Dry film thickness 30 µm</td> </tr> </table>	■ Substrate	on bare steel plate	■ Top coat	WO1813HRU704 Dry film thickness 30 µm																		
■ Substrate	on bare steel plate																						
■ Top coat	WO1813HRU704 Dry film thickness 30 µm																						
Mechanical Test	<table border="1"> <tr> <td>■ Cross-cut-test <small>DIN EN ISO 2409</small></td> <td>Gt 0</td> </tr> </table>	■ Cross-cut-test <small>DIN EN ISO 2409</small>	Gt 0																				
■ Cross-cut-test <small>DIN EN ISO 2409</small>	Gt 0																						
Processing and application	<ul style="list-style-type: none"> ■ 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. <table border="1"> <tr> <td>■ Object temperature</td> <td>10-30 °C</td> </tr> </table>	■ Object temperature	10-30 °C																				
■ 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.



FREIOTHERM-Hydro-Lackfarbe
WO1813H

	■ Processing conditions	Room temperature 18-25 °C Relative humidity 40-60 %
	■ Immersing	27-32 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	10 min./ 140 °C - 5 min./ 160 °C																
	■ Object temperature	green cross-hatching = baking conditions with good final properties																
<table border="1"> <thead> <tr> <th>Einbrennzeit t (min.)</th> <th>Min Temperatur Cel.</th> <th>Einbrennbereich</th> <th>Max Temperatur Cel.</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>130</td> <td>10</td> <td>140</td> </tr> <tr> <td>5</td> <td>155</td> <td>10</td> <td>165</td> </tr> <tr> <td>5</td> <td>155</td> <td>10</td> <td>165</td> </tr> </tbody> </table> 			Einbrennzeit t (min.)	Min Temperatur Cel.	Einbrennbereich	Max Temperatur Cel.	12	130	10	140	5	155	10	165	5	155	10	165
Einbrennzeit t (min.)	Min Temperatur Cel.	Einbrennbereich	Max Temperatur Cel.															
12	130	10	140															
5	155	10	165															
5	155	10	165															

Resistance to storage	<ul style="list-style-type: none"> ■ 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. <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>
------------------------------	---

Specific comments	<ul style="list-style-type: none"> ■ 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. <p>The information provided here contains reference values and does not constitute a specification.</p>
--------------------------	---

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.