



FREIOTHERM-Hydro-Metallic

WO1878G

Characteristics	<ul style="list-style-type: none"> Water-thinnable baking coating Application, e.g. in the automotive sector Good mechanical resistance 																						
Technical / Physical Data	<table> <tr> <td>Binder-Base</td><td>Combination of acrylate/amino resin</td></tr> <tr> <td>Colour</td><td>Metallic colour shades</td></tr> <tr> <td>Gloss value visual</td><td></td></tr> <tr> <td>Viscosity DIN 53211 (formerly)</td><td>Flow time 20-25 seconds 4 mm viscosity cup</td></tr> <tr> <td>Thinner</td><td>demineralised water</td></tr> <tr> <td>pH-Value</td><td>7,9-8,3</td></tr> <tr> <td>Density calculated</td><td>1,0-1,1 g/ml</td></tr> <tr> <td>Solid Mass calculated</td><td>30-34 %</td></tr> <tr> <td>Solid content in volume calculated</td><td>260-280 ml/kg</td></tr> <tr> <td>Material usage theoretical, without application loss</td><td>70-80 g/m², Layer thickness 20 µm</td></tr> <tr> <td>Reference colour of the specified values</td><td>Colour of WO1878GAC02A</td></tr> </table>	Binder-Base	Combination of acrylate/amino resin	Colour	Metallic colour shades	Gloss value visual		Viscosity DIN 53211 (formerly)	Flow time 20-25 seconds 4 mm viscosity cup	Thinner	demineralised water	pH-Value	7,9-8,3	Density calculated	1,0-1,1 g/ml	Solid Mass calculated	30-34 %	Solid content in volume calculated	260-280 ml/kg	Material usage theoretical, without application loss	70-80 g/m ² , Layer thickness 20 µm	Reference colour of the specified values	Colour of WO1878GAC02A
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Substrate	<ul style="list-style-type: none"> KTL primed 																						
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. Chromating or corresponding chrome-free conversion coatings. 																						
Structure recommendation	<table> <tr> <td>Substrate</td><td>on iron-phosphated steel plate</td></tr> <tr> <td>Primer</td><td>KTL-Grundierung Dry film thickness 20-30 µm</td></tr> <tr> <td>Top coat</td><td>WO1878G Dry film thickness 20 µm</td></tr> </table>	Substrate	on iron-phosphated steel plate	Primer	KTL-Grundierung Dry film thickness 20-30 µm	Top coat	WO1878G Dry film thickness 20 µm																
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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. Object temperature: 20-40 °C Processing conditions: Room temperature 15-25 °C Relative humidity 50-70 % High pressure spraying: as delivered viscosity Nozzle: 1,2 mm Spray pressure 4 bar 																						

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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	■ Electrostatic	possible, system-specific
	■ 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
	■ Object temperature	Baking window on request
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.	